Board of Trade Journal

Volume 184, No. 3446 5 April 1963

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Board of Trade Journal

Volume 184, No. 3446 | 5 APRIL 1963 | Price 1s. 3d. net

Pages 745-816 | Annual Subscription including Inland Postage, £3 18s. 0d.

Mexico is a Rapidly Developing Modern Industrial State

A Report from the Commercial Department, H.M. Embassy, Mexico City

THE RECENT SPATE of books on Mexico has brought home to the British public the beauty and variety of its countryside, the colour of much of its way of life and its fascinating if often turbulent past. The opening of a Mexican shop in London and 'Mexican Weeks' staged by well-known London stores have also helped to arouse interest in this country and its people. Nevertheless few people in the United Kingdom have more than a hazy idea of Mexico today and only a minority of businessmen are conscious of Mexico as a rapidly developing modern industrial State. Sir Ernest Cassel, one of the foremost financiers of his day, advised all those consulting him to consider trade or investment possibilities in Mexico. He might well give the same advice today.

The first question of many business visitors and particularly of those who have had unfortunate experiences in other parts of Latin America, usually concerns the political stability of the country. It is one of Mexico's misfortunes, due in part to the influence of popular films, that the history of the chaotic years from 1910 until the early twenties is more familiar than that of the years of peace which have followed. In fact the Revolution of 1910 brought Mexico from the feudal to the modern age. A one-party democracy, in which the party embraces a wide range of views, has maintained the equilibrium established after the Revolution, resolving differences in private rather than in public, and now appears slowly to be evolving towards more traditional democratic forms.

Land reform and the exclusion of foreign capital from the more sensitive sectors of the economy such as utilities and basic resources, even if questionable from the purely economic point of view, have largely removed the most dangerous potential sources of discontent. In these circumstances and with successive governments making great efforts with often limited resources for social welfare, Communism has had little appeal. Disenchantment with Castro's Cuba is now general except among a small minority. The Government's policy of opposing all extremes, whether from the Left or the Right, seems likely to have the support of the majority of the country as long as economic progress can be maintained.

If then the political outlook is encouraging, what of the economic? The dominant fact about the Mexican economy is that the population, now nearly 38 million, is increasing by over 3·2 per cent. or more than one million a year; if present trends continue, there will be a hundred million Mexicans by the end of the century. In Latin America only Brazil has more inhabitants and Mexico has as many as Argentina and Colombia added together; 43 per cent. of the population is under 15 years old. As agriculture can hardly provide even the present rural population (17·2 million or 49·3 per cent. in 1960) with a decent life, industrialization is not a choice but a necessity. So far progress has been impressive; the gross national product increased by 6-7 per cent. per annum in the 1950's and even if there has been a slowing down in the 1960's the rate of increase has kept well ahead of the growth of population.

Well Equipped to Continue Her Advance

Mexico is in fact particularly well equipped to continue this advance. Unlike the great majority of developing countries her economy is widely based. She is nearly self-supporting in basic foodstuffs. Her principal exports are cotton, coffee and sugar in that order, but Mexico is also the world's largest producer of silver, a major oil producer and an important exporter of sulphur, zinc, lead, copper and gold. Tourist earnings are another and vital contribution to the economy and bring in over £100 million a year, mainly from the United States, a sum which broadly covers the deficit on visible trade.

Inflation and balance of payments are of course problems in all developing countries. But inflation has been kept relatively under control and although in the past succeeding governments had to devalue the currency, the present value of the peso has been maintained since 1954. There are no exchange controls so the peso is freely convertible. While this brings definite advantages, it naturally leaves the economy exposed to sudden changes in the climate of business confidence. The great gulf between rich and poor, even if smaller than in many developing countries, is a potential danger of which all governments must take account. Although a middle-class is beginning to grow fairly rapidly and organized labour has been given a privileged position with a relatively high standard of life, the poorest sectors of the community, above all in the countryside,

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The *Board of Trade Journal* is published weekly by H.M. Stationery Office, price 1s. 3d. (Annual Subscription £3 18s. 0d. including inland or surface but not air postage) and is obtainable directly from the following addresses: York House, Kingsway, London, W.C.2; 423 Oxford Street, London, W.1; 13A Castle Street, Edinburgh, 2; 39 King Street, Manchester; 35 Smallbrook, Ringway, Birmingham, 5; 109 St. Mary Street, Cardiff; 50 Fairfax Street, Bristol, 1; 80 Chichester Street, Belfast; or through any bookseller.

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Editorial Communications should be addressed to the Editor, *Board of Trade Journal*, Room 2410, Board of Trade, Horse Guards Avenue, London, S.W.1. (Tel. Trafalgar 8855, Ext. 2192). Address for telegrams and cables 'Boneblack, London.'

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Orders and remittances for reprints should be addressed to the Director of Publications (P.2), H.M. Stationery Office, Atlantic House, Holborn Viaduct, London, E.C.1. Cheques should be made payable to H.M. Paymaster-General.

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Front Cover Photograph

The Avro 748 Series 2, designed to operate from the shortest of semi-prepared airfields, is one of the latest developments in aeronautical engineering. Powered by two Rolls-Royce Dart engines, the Avro 748 Series 2 has a maximum payload of 13,000 lbs., a range of 1,500 n.m. and offers accommodation for up to 52 passengers and baggage. The capabilities of this new British aircraft were demonstrated during a five-day series of press conferences held throughout Europe from March 25 to 29 in conjunction with the organizers of the London International Engineering Exhibition, *(see special feature on page 773).*

Mexico is a Rapidly Developing Modern Industrial State *(Cont'd).*

are probably as poor as at any time in history. The rate of population growth tends also continually to increase the number of those on the subsistence level.

Successive Presidents are therefore obliged to strike a balance between policies calculated to encourage business expansion and programmes of social progress, even if it is clear that in the long run the country can only remain stable if the poverty of the majority of the countryside can be overcome. The system of six-year presidential terms with no re-election gives considerable flexibility and allows changes of policy to be made without internal political complications. If the problems are great, it remains true that Mexico has made a far better effort than many other developing countries to solve them.

In the circumstances the Mexican market is clearly very much worth investigating. Mexican exports are rising; they jumped from £124 million in 1950 to £347·2 million in 1962; if indirect exports are included, the United Kingdom is probably the third largest buyer of Mexican goods. The range of goods exported is growing and now includes a number of manufactured articles. Mexican imports have also risen steadily from £183 million in 1950 (of which approximately £137 million were capital goods) to £315 million in 1955 and £423 million in 1960 (of which approximately £340 million were capital goods). The provisional figures for 1962 show imports of some £403 million. Of this trade the United Kingdom's share had risen from 2·8 per cent. of the total in 1957 to 4·86 per cent. in 1960, the United Kingdom being the third largest supplier after the United States (72 per cent.) and Germany (6·1 per cent). In 1962 there was probably a slight falling off to about 4·4 per cent. In absolute terms British exports reached a peak in 1960 of £20·6 million of which £16·9 million were capital goods. With the international complications in the Caribbean and the related movements of capital away from this area the Mexican Government have tried to ensure that the available foreign exchange is spent in ways most likely to be of long-term benefit to the economy. Partly on this account and partly to facilitate co-operation with the Latin American Free Trade Association the Mexican import tariff, previously antiquated and imprecise, is being revised.

In general duties on consumer goods have been increased considerably, and have now virtually excluded many luxury articles. A wide range of consumer goods, moreover, is now being made in Mexico and in many instances local manufacturers are given what often amounts to complete protection by the prohibition of various imports. Consequently, although there may always be a market for a few high quality British consumer goods, for example whisky, the already small consumer goods market in general is contracting rapidly. The only future in this sector lies in local manufacture in those cases where it has not yet been undertaken.

Promising Outlook for Capital Goods

In the capital goods market on the other hand the outlook is much more promising. Although Mexico is already making the simpler kinds of capital goods, the process of industrialization is inevitably creating a demand for more complicated machinery and sophisticated equipment such as advanced scientific instruments which are unlikely to be manufactured locally for many years. The industries to which the Mexican Government wishes priority to be given at present are electricity generating, petrochemicals, steel, the automotive industry, the fishing industry, and ships and shipyards.

There is also a good demand for machine tools of all kinds, machinery for the food processing, paper and pulp, printing, cement and plastic industries, special pumps and equipment for the petroleum industry, industrial lifting and moving equipment and office machinery. There are also openings for a large range of chemicals, industrial air-conditioning plants, instruments of all types and communications equipment. In the fairly near future moreover demand may revive for steel works equipment and foundry supplies.

Local manufacture itself also offers considerable opportunities to British industrial companies especially through the formation of joint ventures with Mexican interests. The Government has made it clear that except in certain basic industries such as oil and some branches of petrochemicals such ventures will be welcomed. In 1962 the Government issued a list of 500 new items which it would like to see made in Mexico and announced that every facility and incentive would be given to companies prepared to manufacture

Mexico is a Rapidly Developing Modern Industrial State (*Cont'd*).

articles on the list. A copy of this list may be borrowed from the Commercial Relations and Exports Department of the Board of Trade.

Various important British firms have already formed joint ventures in this country and others are at present investigating the possibilities of doing so. Often these local manufacturing operations offer great opportunities for the sale of British machinery both when plants are built and for many years afterwards. It is also always worth considering in this connection whether Mexico might not be the most suitable base for supplying a number if not all of the countries of the Latin American Free Trade Association. Even if regional integration may proceed very slowly a certain amount of new industry is likely to be planned on a regional basis.

It would be misleading to suggest that the Mexican market is an easy one. During the present administration the State has enlarged the area of its activity and although this has brought some advantages it has also led to an increase in bureaucratic delays. Nevertheless trade depends in the final resort on adequate confidence and incentives and modern Mexico inspires and offers these. The line between State and private enterprise is a difficult one to draw but the Government has emphasized on several occasions that it regards its own role as being to supplement private enterprise in fields where this cannot or will not operate, and not to replace it. In the few cases of nationalization the compensation paid has been good. Since the war Mexico has never defaulted on any international payment, and the Government is both determined to defend the value of the currency and firmly opposed to exchange control which would in any case be almost impossible with 1,800 miles of land frontier with the United States. Profits can still be comparatively high, as they were in the United States of America in their development stage. Collaboration with European countries is welcomed as part of the policy of diversifying trade.

British exporters, however, must be prepared for tough competition in regard to price, delivery, after-sales service and, perhaps most important of all, credit. The quality of most, although not all, British goods is admired, but this is not enough to achieve sales: effective and energetic salesmanship is required. It is becoming hard to do business without a good agent resident in Mexico, preferably backed by periodic visits by representatives from the United Kingdom. As in other Latin American countries personal contact is most important and correspondence is less likely to achieve satisfactory results. With this colourful and sympathetic people personal contacts can in any case be a pleasure in themselves, and those who have an opportunity to visit Mexico are indeed fortunate.

Nineteen-sixty-four is an election year and a new Government will then take over for six years. It is at the beginning of the term of office of the new administration that fresh personal contacts can be most useful, the main contracts being awarded and purchasing patterns established during the first three years. Now is therefore the time to investigate the prospects in Mexico, so as to be poised ready to take full advantage of the openings in 1964/5. The British Chamber of Commerce in Mexico City and the Commercial Department of the British Embassy are only too ready to help in regard to markets, regulations and agents. Exporters will not have an easy task but the prizes are considerable and growing in what must be one of the most stable of the rapidly developing countries.

Mexico City is venue for the International Chamber of Commerce XIXth Biennial Congress

From 20-27 April, the International Chamber of Commerce will hold its nineteenth Biennial Congress in Mexico City. The theme of the Congress, 'Economic Growth through World Inter-dependence' will be analyzed in a basic report which will be discussed in general terms at the First Plenary Session. The Congress will then divide up into a series of Committees to discuss various aspects of the theme, and the results of these Committee meetings will be reported to the Second Plenary Session. From these various discussions a brief statement of conclusions will be prepared for adoption at the Closing Plenary Session. Among the subjects to be discussed are the clash of inter-dependence and economic nationalism, partnership for growth between developed and developing countries, international co-operation in the production and marketing of primary products, transport, the international monetary system and the sharing of knowledge and skills.

It is expected that the Congress will be attended by some one thousand delegates from the Chamber's National Committees and from international economic organizations. The British National Committee will send a delegation of more than forty, representing a wide section of British industry and commerce. Members of the commercial staff of the British Embassy in Mexico City will take part as 'observer' members of the British delegation and the Ambassador has offered the Embassy's co-operation in connection with the visit of the delegation to Mexico.

Mr. Erroll and U.S. Under Secretary of State Meet in London

MR. GEORGE BALL, United States Under Secretary of State, called on Mr. Frederick Erroll, President of the Board of Trade, on March 28. The two Ministers had a general discussion about various matters in the trade field, including in particular preparations for the Kennedy Round of tariff negotiations which are to be the subject of a Ministerial meeting beginning in Geneva on May 16.

The talks were a continuation of those which Mr. Erroll had with Mr. Ball in Washington during the former's visit there at the beginning of this month.

Trading with West Germany

Dear Sir,

May I congratulate you upon the magnificent supplement in your issue of March 22 on *Trading with West Germany*. As editor of a newspaper which took the step six months ago of appointing an architect as full-time representative in West Germany, I was particularly interested in the picture you gave of this important trading area and in the various assessments of trade between our two countries. I am sure the view I express will be supported by many others and that the supplement will be filed as an authentic and up-to-date reference.

Yours faithfully,
Ian M. Leslie.
EDITOR, *The Builder*

To the Editor *Board of Trade Journal*.

Minister Sees Collision Avoidance Demonstration

Mr. David Price, Parliamentary Secretary, Board of Trade (*second left*), watches a demonstration of collision avoidance training on a radar simulator at the Farnborough headquarters of the Solartron Electronic Group, Ltd. Also in the photograph are (*left to right*); Mr. R. Haxby, director simulators; Mr. K. Strudwick, sales manager, at the controls; Mr. J. E. Bolton, deputy chairman and managing director; Mr. E. R. Ponsford, deputy managing director, and Mr. T. Daly, production director.

Plans for 1964 British Exhibition in Australia Announced

BRITISH INDUSTRY is to be featured at an exhibition in the Royal Agricultural Society's Showground, Sydney, Australia, from September 25 to October 10, 1964. The exhibition is the biggest operation ever staged in Australia and is part of a sustained Australia-wide 18-month programme of British trade promotion which began in February with the British Pavilion organized by the Board of Trade at the Melbourne International Trade Fair.

These facts were made known at a press conference in London on April 1 when plans for the British exhibition in Sydney were announced. Speaking at the conference, Mr. Frederick Erroll, President of the Board of Trade, said that Britain was Australia's best customer, and Australia was Britain's best customer in the Commonwealth, and the second biggest in the world. Britain was also the biggest overseas investor in Australian industries, and like partners in a business concern, Britain and Australia had a vital interest in each other's property.

It was a common fault among friends and partners, said the President, to take each other for granted. Britain had been criticized on this score in Australia, but for some three years we in Britain had been thinking what we could do to put that right.

'The British exhibition in Sydney is neither the end nor the beginning. In one sense it is the climax to a carefully organized campaign, in another it marks the point at which we hope that individual firms will take over and develop a multiplicity of selling campaigns of their own. Some exporters tell me of the tariff problems they face in Australia. I do not want to underrate these difficulties, but they do not apply to the bulk of our trade. Two-thirds of our exports to Australia go in free of duty', he added.

Referring to the pattern of our exports to Australia, the President said we now sent many goods which we did not export at all before the last war. He instanced radio-active materials, new man-made fibres, drugs and chemicals. We also sent Australia about half her imports of machinery, road vehicles and aircraft, and about two-fifths of her chemicals. Australia, however, now made for herself many of the goods we used to send her, often with the help of British capital and know-how. As Australian industry developed in size and complexity, the demand for plant and equipment would grow. There were great opportunities in the country for British manufacturers who made a careful study of the requirements of the market.

The President emphasized that the proposed exhibition had the full support of H.M. Government, including particularly the Board of Trade, the Commonwealth Relations Office, and the Australian High Commissioner in Britain, and our Trade Commissioners in Australia. The exhibition also had the active assistance of the Australian Association of British Manufacturers, which represented British industry in that country.

Stating that the 18-month British campaign in Australia opened on February 27 with the British pavilion at Melbourne, the President said that this was being followed up with a series of British Weeks. In Adelaide in September, in Hobart, Tasmania, in March, Brisbane in April, and Perth in May. These Weeks were being organized by our British Trade Commissioners in association with the Board of Trade in London. The Sydney exhibition would be accompanied by a British fortnight in the Sydney shops. 'You will see that the whole campaign offers an excellent example of government and industry working together. As an even more conclusive evidence of the interest which H.M. Government is attaching to this event, it has been arranged for Mr. Macmillan, the Prime Minister, to make a telerecording which will go out from all Australian television stations on April 17 when a parallel press conference to this will be held in Sydney on the occasion of the opening of the British Overseas Fairs office in that city.'

The President said that after the Sydney event was over, the responsibility would pass to individual firms because the only people who could sell goods were the people who made and distributed them: 'The effort which we are making in Australia is based on the assumption that everyone interested in trading with Australia will be ready to make his contribution.'

Sir Eric Harrision, Australian High Commissioner in London, said that Britain could increase her trade in Australian markets by concentrating on trade promotion. The conference was also addressed by Sir Norman Kipping, Director-General, Federation of British Industries, and Mr. Denny Lamb, Managing Director of British Overseas Fairs.

Director of Consumer Council Appointed

MR. FREDERICK ERROLL, President of the Board of Trade, in agreement with Lady Elliot, Chairman of the Consumer Council, has appointed Miss Elizabeth Ackroyd as the first Director of the Council.

Miss Ackroyd, who is an Under-Secretary in the Civil Service, has had wide experience in administration and was responsible for consumer protection matters in the Board of Trade from 1955 to 1959. She took up her appointment on secondment from the Board of Trade on April 1.

Miss Ackroyd, in addition to holding the post of Director, will also be a member of the Council. Miss Ackroyd was in charge of consumer protection matters at the Board of Trade at the time when the Committee on Consumer Protection was appointed.

The appointment of a high-ranking Director is in line with the recommendation in Paragraph 883 of the Final Report of the Committee on Consumer Protection. The Committee expressed the view that the Director of the Consumer Council should normally expect to contact Government Departments at the Under-Secretary level.

The Council will be located in London. A further announcement giving the address will be made when the office is established.

CoID Scottish Committee Appointments

MR. FREDERICK ERROLL, President of the Board of Trade, has reappointed Lady Sempill, Mr. A. Augur East, Mr. S. Harrison, Mr. W. A. P. Jack and Mr. J. S. McEwan as members of the Scottish Committee of the Council of Industrial Design for a further period, and has appointed Mr. W. A. Jack, Mr. Kenneth L. Shanks and Mr. Matthew J. G. Wylie as new members of the Scottish Committee.

AIR LIFT FOR TANKER DRIVERS IN AUSTRALIA

A Scammell Highwayman hitched to a liquid propane gas tanker operated by The Liquid Cartage Co. Pty. Ltd., Melbourne, for the bulk haulage between Melbourne and Sydney of pressurized products. In order to obtain maximum use from the vehicles on this run and to ensure maintenance of delivery schedules, the firm fly their relief drivers to appropriate staging points on the journey.

Chinese Trade Delegation See Britain at Work

THE CHINESE trade delegation, headed by Mr. Lu Hsu-chang, on the first official visit of a Minister from the People's Republic of China to Britain at the invitation of H.M. Government (see last week's *Board of Trade Journal*) continued their intensive tour of Britain with particular emphasis on industrial achievements and new housing and town planning development.

On March 25 they visited the Royal Group of docks in the Port of London, where they saw ships being unloaded, general cargo being stowed, and then went aboard a tender for a tour of the docks. They lunched at No. 1 Carlton Gardens, S.W., as guests of Mr. Frederick Erroll, President of the Board of Trade; other Government departments represented at this lunch included the Treasury, Foreign Office and the Ministries of Aviation and Transport.

In the afternoon the delegation visited Decca Radar Ltd., Albert Embankment, S.W., and were taken on the river in one of the company's launches to see a demonstration of Decca radar equipment in operation. This was followed by a reception at the Savoy given by the Sino-British Trade Council and a dinner at the same hotel as guests of the China Association.

On March 26 they paid an extended visit to Crawley New Town and the APV works there. The tour of Crawley itself included a visit to a typical three-bedroomed house (for rent) in which all the delegation showed keen interest, as they did in the rôle of the Government providing loans for New Town development and the part played by private builders in these schemes.

The delegation evinced considerable interest in the shopping centre at Crawley, where they looked in to Woolworths, Boots, the local Co-operative store and the gas showrooms. Their tour of the industrial section of Crawley, where the delegation were quick to point out the factories whose names they knew, concentrated on the APV works, where they were shown some new techniques in milk preservation on which the company are working.

On March 27 they spent the morning at Marconi Instruments Ltd. at St. Albans. At the end of their visit they were presented with items of testing equipment intended for use in technical institutes in China.

On March 28 the delegation spent most of the day with Vickers-Armstrongs (Aircraft) Ltd., Weybridge, where, after being shown round the works, they were flown by Viscount aircraft to Hurn, Hampshire, for lunch as guests of the company, returning to Weybridge by air. In the evening they were guests of Mr. Alan Green, Minister of State, Board of Trade, at a dinner at Lancaster House.

On March 29 the delegation spent virtually the entire day at the Great Coates works (near Grimsby) of Courtaulds Limited. This is one of the most up to date and highly automated plants in the world. It produces rayon staple fibre to the value of £50 million annually and Courtelle acrylic plastics to the value of £30 million annually. The delegation were particularly interested in the latter product and showed considerable interest in the application of modern automation to its manufacture.

Mr. Lu Hsu-chang, Vice-Minister of Foreign Trade of the People's Republic of China, and members of his delegation seen examining telecommunications measurement equipment during their visit to Marconi Instruments Ltd.'s factory at St. Albans on March 27. Left to right: Sir Gordon Radley, chairman; Mr. S. G. Spooner, works manager; interpreter; Mr. R. E. Burnett, managing director; Mr. Lu Hsu-chang, Mr. Chen Yang and Mr. Chang Ling.

On April 1 they toured the ICI installations at Billingham (ammonia, fertilizer and butyl alcohol plant) and at Wilton, where ICI production includes the versatile 'Terylene'. Continuing northwards they were met at Renfrew by Mr. C. J. A. Whitehouse, Board of Trade Controller for Scotland, who accompanied the party to Glasgow, where they spent the night at the Central Hotel.

A report on their further activities will be published in next week's *Board of Trade Journal*.

N.I.'s New Terylene Spinning Plant

TWO YEARS to the day after work began on the site, the Kilroot Works of ICI Fibres Division, near Carrickfergus, Northern Ireland, were opened on March 22 by Captain Terence O'Neill, Minister of Finance in the Northern Ireland Government, deputising for Lord Brookeborough, the Prime Minister. The initial spinning plant will produce mainly 'Terylene' textile filament yarns. Additional plant is already under construction to meet growing demand for 'Terylene' (polyester) and 'Ulstron' (polypropylene) industrial-type yarns. When the additional plant is completed next year, total capacity will be about 25 million lb. a year. Employment at full capacity will be 750.

The factory is on a 200-acre site by the side of Belfast Lough, and the finished products, 'Terylene' and 'Ulstron' filament yarn, will be used by textile industries throughout the world.

Captain O'Neill has since become Prime Minister following Lord Brookeborough's retirement through ill-health.

Performing Right Tribunal

IN THE NOTICE which appeared under the above sub-heading on page 697 of last week's *Board of Trade Journal* the office hours should read 10 a.m.-4 p.m.

New Scottish Export Group Formed

FOLLOWING a conference organized recently by the Edinburgh Chamber of Commerce in conjunction with the Export Council for Europe a number of firms in Edinburgh and the surrounding area have formed a co-operative selling group entitled the Scottish Thistle Export Group to organize their export drives. Chairman of the group is Mr. D. M. C. Forrester, managing director, Tayside Floorcloth Co. Ltd., and the administrative and organizational services are provided by the Edinburgh Chamber of Commerce. The products of the group range from house furnishing products to foodstuffs and woollens.

The group's first major project will be the participation in the British Week in Munich from June 8-16. Prior to this samples of the group's goods were exhibited at the Samples Exhibition held in Munich from March 25-29, where four representatives attended to advise on delivery dates and prices and to take orders.

Overdrafts of the Nationalized Industries

THE TREASURY announces that the total of the bank overdrafts at March 20, 1963, of the nationalized industries was £88·0 million, of which £76·1 million was from the clearing banks and £11·9 million from the Scottish banks.

Economic Report 1962, National Income and Balance of Payments

A SUPPLEMENT to the March issue of *Economic Trends* entitled 'Economic Report 1962' and a White Paper, 'Preliminary Estimates of National Income and Balance of Payments' (Command 1984) have been published (H.M. Stationery Office, price 2s. 6d. and 2s. respectively). The March issue of *Economic Trends* (H.M.S.O. price 6s. excluding the Supplement) also contains the first of a new series of quarterly articles on the United Kingdom balance of payments. The following is a summary of these papers:

Economic Report 1962

The Publication, which has been prepared by H.M. Treasury, replaces the annual Economic Survey issued in recent years before the Budget as a White Paper. The Report is illustrated by 9 charts, and there is a Statistical Appendix of 12 tables.

This Report offers a factual analysis of economic developments during 1962. The first Section, looking at the year as a whole, gives a brief account of the situation as it appeared at the time of the Budget, the policies framed in line with this appreciation, the changes in the situation during the year, and the corresponding changes in policy. The Sections which follow analyse elements in this picture in detail.

The Year as a Whole

The Situation and Outlook at the Beginning of 1962

Measures were taken in July 1961 to deal with a crisis in our balance of payments and to reduce the pressure of home demand on our productive resources. Total demand and output fell a little during the second half of 1961 and by the end of the year the pressure of demand had been considerably reduced. There had also been a substantial improvement in the balance of payments.

Early in 1962, it seemed likely that there would be a rise in demand in the course of the year without any substantial stimulus from the Government. The indications were that world trading conditions would provide the opportunity for a considerable increase in our exports. There had been a large increase in world industrial production during the course of 1961, and our exports to industrial countries had already been increasing for some time. Both these trends seemed likely to continue. Our exports to primary producing countries had been falling, but the improvement in world industrial production was expected to help the balance of payments of these countries, and this could be expected to make possible a recovery in our exports to them.

The prospects for demand at home were mixed, but on the whole the indicators pointed to expansion. Fixed investment by manufacturing industry had reached a peak in the third quarter of 1961 and some decline during 1962 seemed likely as a number of major projects (e.g. in the steel industry) neared completion. But a large rise in public investment was scheduled, and it was expected that, in consequence, total fixed investment would rise a little. An increase of about 3 per cent. was expected in public authorities' current expenditure on goods and services. A substantial increase (of about 4 per cent. by the spring of 1963) was also expected in consumers' expenditure, largely because a rise in real personal income would follow from increasing production. Thus the essential reason for this part of the forecast was the expected rise in the elements in demand other than consumers' spending. Another factor was the expectation of an increase in net borrowing on hire purchase as contracts entered into during the boom period between the end of 1958 and the beginning of 1960 came to an end.

Government Policy at the Beginning of 1962

The deterioration of the balance of payments in 1959 and 1960 and the crisis of 1961 had shown that a successful expansion of the economy could take place only on the basis of a strong international competitive position. The Government's policies were designed to establish and maintain such a position. It was believed that this could be achieved if two conditions were satisfied:

(a) The rate of increase of incomes was kept in a proper relationship with the rate of growth of productivity, and

(b) the level of home demand was kept within such limits as would not impede the full exploitation of export opportunities.

The first condition was sought through the Government's incomes policy, which was set out in the White Paper *Incomes Policy: the Next Step* (Command 1626) published in February 1962. Securing the second condition involved a firm control of home demand, exemplified in the decision not to make any substantial changes in taxation in the 1962 Budget. In his Budget speech, after describing the economic prospect, Mr. Selwyn Lloyd summarized his aim as follows:

> 'Against that background the essential requirement, in my judgment, is that we should not, through the Budget, give such a further stimulus to home demand as would endanger the expansion of exports.'

Developments in the First Half of 1962

In the first half of 1962 there was a brisk rise in demand and output which corresponded closely to the general trend forecast in the Budget speech. Exports rose rapidly and all the other main kinds of demand, apart from fixed investment, rose too. There was no rise in real personal income during this period because the exceptionally cold spring caused a sharp rise in food prices towards the middle of the year. Nevertheless, consumers' expenditure rose because there was some recovery in net borrowing from the banks and on hire purchase and so in expenditure on durable goods, mainly cars. Industrial production more than regained the ground lost in the second half of 1961, and by the middle of the year was a little higher than the previous peak in the middle of 1961. But the pressure of demand for labour, which usually takes some months to respond to changes in the trend of final demand, continued to decline. Unemployment fell a good deal less in the first half of 1962 than the normal seasonal decrease.

The balance of payments on current account continued to improve in the first half of 1962, when there was a surplus (on a seasonally adjusted basis) of £50 million. Nearly all the improvement compared with the previous half-year was the result of an increase in net receipts of interest, profits and dividends, which raised the surplus on invisibles. The balance on visible trade hardly changed. Although exports rose, there was also a large rise in imports, particularly of food, feedingstuffs and fuel, which was caused by the exceptional weather conditions.

Developments in the Second Half of 1962

Contrary to expectation, activity did not continue to rise in the second half of 1962. One reason was that exports did not rise after the middle of the year. Part of the explanation for this can be found in developments overseas: there was a slower growth of industrial production in the rest of the world which was chiefly due to a levelling off in the United States; and there was some slackening in the growth of world trade. In continental Western Europe there was some weakening of private investment demand, but industrial production generally continued to rise.

A further though less important reason why demand did not rise as expected was a change in private investment intentions. Forecasts of intended expenditure supplied by firms in the summer showed that private industry and trade had revised downwards their plans since the beginning of the year, and a rapid decline in investment (particularly by manufacturing industry) continued in the second half of 1962. Public investment, however, rose at least as fast as had been expected earlier, and investment in total (public and private together) fell only a little. The rise in current expenditure by public authorities on goods and services probably went on at about the expected rate.

These changes in demand had repercussions through employment and hours worked on the growth of real personal income, but some growth of consumers' expenditure was maintained by the effect of the Government measures which are described below.

As a consequence of all these changes in demand, production stopped rising after the middle of the year. There was a renewed fall in stockbuilding in the fourth quarter and output fell back. Industrial production was also reduced at the end of the year by exceptionally bad weather which affected building. Employment,

Economic Report 1962 (*Continued*)

which had risen in the first half of 1962 by a little more than the usual seasonal swing, started to fall; and unemployment rose a good deal more than the normal seasonal rise in the second half of the year. In December the number registered as unemployed was about 2½ per cent. of employees over Great Britain as a whole, but the unemployment rates in certain areas, especially in the North and Scotland, and also in Northern Ireland, were much higher and gave rise to increasing concern.

The balance of payments on current account deteriorated in the third quarter of 1962. Exports were no longer rising but imports (still including abnormally large arrivals of food, feedingstuffs and oil) went on increasing. Imports fell back again in the fourth quarter, but over the half year the current account (seasonally adjusted) was only marginally in surplus.

A strong and persistent demand for Government securities brought about a substantial fall in medium and long-term interest rates in the third quarter of 1962. One reason for the strength of this demand was the market's reassessment of equities, the prospects for which were affected not only by a discouraging outlook for profits at home but also by falling prices in many overseas stock exchanges. The gilt-edged market was also strengthened by official tactics in the market, which indicated that a fall in yields would not be opposed. Substantial official sales of gilt-edged stocks, however, moderated the rapidity of the fall in rates.

Redirection of Government Policy

As it became evident that the earlier expectations would not be realized, the Government acted to stimulate demand. Already before the end of April, Bank Rate had been reduced to 4½ per cent. In June the liquidity of the banking system was increased by the release of £76 million of special deposits, and there was a relaxation of hire purchase controls which helped to sustain consumers' expenditure on durable goods.

In the second half of 1962, the redirection of policy towards expansion of home demand continued progressively and strongly. In October another £80 million of special deposits were released. At about the same time the banks were freed from all restrictions on their lending. As a result of these steps and the measures taken in June, the banks were able to increase both their advances and their investments without impairing their liquidity. Between May and December, normally a period of seasonal decline, advances to customers other than nationalized industries rose by £137 million.

Early in October it was announced that a release of an additional £42 million of post-war credits would be made, and that public investment in 1963-64 would be raised so as to be at least £175 million higher than in 1962-63. In November the rate of purchase tax on cars was reduced from 45 per cent. to 25 per cent. and it was announced that the tax allowances on investment would be substantially improved. The remaining £80 million of special deposits were also released. Thus by the end of 1962 the list of measures stimulating demand was substantial.

The four Sections of the Report which follow deal with changes in the main kinds of demand: production, imports, employment and unemployment; the movement of incomes, costs and prices; the balance of payments and developments in our external monetary position. The statistical tables bring together information on incomes and expenditure, capital formation, industrial production, registered unemployed, retail prices, trade and balance of payments.

Preliminary Estimates of National Income and Balance of Payments

THE WHITE PAPER contains preliminary figures of national income and expenditure and of balance of payments for 1962 together with comparable figures for earlier years. It thus combines most of the information published this time last year in two separate White Papers.

Incomes

In total, domestic incomes were £910 million, or 3½ per cent., higher in 1962 than in 1961. Income from employment was 4½ per cent. higher, gross trading surpluses of public corporations (here reckoned before paying interest charges or allowing for depreciation) were 16½ per cent. higher, and gross trading profits of companies, which had fallen by 5½ per cent. between 1960 and 1961, were little changed between 1961 and 1962.

Personal Income and Expenditure

In 1962 personal incomes before tax rose by £1,025 million, or by 4½ per cent. Compared with 1961, wages and salaries were 4½ per cent. higher, income from self-employment was 1 per cent. higher, receipts of rent, dividends and interest were 3½ per cent. higher, and receipts of pensions, benefits and other grants from the Government were 10 per cent. higher.

About one-third of the increase in personal incomes went in higher tax payments and National Insurance and health contributions. But the increase in personal spending was larger than the increase in personal income after tax (i.e., disposable income) so that personal saving fell – both absolutely and as a proportion of personal disposable income.

In 1962 consumers spent £18,370 million on goods and services, £856 million, or 5 per cent., more than in 1961. Within this total, £5,219 million went on food, £2,363 million on alcoholic drink and tobacco, £2,665 million on housing, fuel and light, £1,438 million on durable goods, and £1,723 million on clothing.

Companies and Public Corporations

The total income of companies and public corporations (including profits earned abroad and non-trading income) rose by 2½ per cent. between 1961 and 1962; this compares with a small fall between 1960 and 1961. Company profits were little changed, but public corporations' trading surpluses (before paying interest or allowing for depreciation) continued to rise. Total dividend and interest payments by companies and public corporations increased by 5 per cent. compared with a rise of 10½ per cent. between 1960 and 1961. Ordinary dividend payments by companies increased by £18 million between 1961 and 1962, compared with increases of £224 million in 1960 and £85 million in 1961.

Government

Central Government current receipts amounted to £8,216 million, £753 million, or 10 per cent., more than in 1961. Receipts from taxes on income (partially determined by incomes a year or more earlier), rose by £376 million (12 per cent.); receipts from taxes on expenditure rose by £169 million (6 per cent.).

Expenditure on current account increased by £437 million, and the surplus rose by £316 million to £595 million. The principal increases in expenditure were on military defence (£75 million), on subsidies (£73 million), on national insurance benefits and other grants to persons (£166 million) and on grants to local authorities (£94 million).

Local authorities' income from rates and from grants from Central Government, which are of roughly the same size and which together make up more than three-quarters of total local authority income, both rose by 11 per cent. between 1961 and 1962. Expenditure on education rose by 13 per cent., but the other items of expenditure rose rather less.

Saving and Investment

Gross fixed investment at home was only 1 per cent. higher in 1962 than in 1961; a 9 per cent. rise in public investment outweighing a 4½ per cent. fall in private investment. Net investment abroad in 1962 was £139 million higher, but investment in stocks was £212 million lower. In total, investment at home and abroad was £28 million lower in 1962 than in 1961, and was equal to 19 per cent. of the gross national product at factor cost in 1962, compared with 20 per cent. a year earlier.

Private sector saving fell, but saving by the public sector – especially Central Government – rose sharply, by more than its investment.

(*Continued at foot of next page*)

Appointment of Members of the National Research Development Corporation

MR. FREDERICK ERROLL, President of the Board of Trade, has appointed Dr. H. M. Finniston and Mr. James Steel to be part-time members of the National Research Development Corporation. Dr. Finniston is Managing Director of International Research and Development Co. Ltd., and a director of C. A. Parsons & Co. Ltd., of the Nuclear Power Plant Co. Ltd., and of Cryosystems Ltd. Mr. Steel is Chairman of Steel & Co. Ltd.

Dr. Finniston and Mr. Steel take the places of Sir Owen Wansbrough-Jones and Major Richard Miles on the expiry of their periods of appointment, both having served since mid-1957.

Notes

The National Research Development Corporation was set up by the Board of Trade in 1949 under the Development of Inventions Act, 1948, with the function of securing in the public interest the development or exploitation for commercial use of inventions arising from publicly financed research and of any important private inventions being neglected by industry. Under a later Act (the Development of Inventions Act, 1954) the Corporation may also undertake research if their results are likely to lead to an important invention. Statutorily, the Corporation is required to pay its way, taking one year with another, but to assist it with its capital needs it may borrow from the Board of Trade up to £10 million in the 20 years from the time it was set up.

Important projects currently under development by the Corporation include Hovercraft, Dracones (flexible containers for towing liquids at sea), fuel cells and electronic computers.

President Appoints Cotton Board Members

MR. FREDERICK ERROLL, President of the Board of Trade, has appointed the members of the Cotton Board for the year beginning April 1. They are: Mr. Frank Rostron, chairman and independent member of the Board; Mr. James Broatch, deputy chairman and independent member; Mr. J. C. Robinson, independent member; Mr. W. T. Winterbottom, representing the interests of persons carrying out the business of spinning and doubling; Mr. R. T. Alcock, representing the interests of persons carrying out the buiness of finishing; Mr. G. D. Hughes, representing the interests of persons carrying out the busines of converting; Mr. J. M. H. Grey, representing the interests of persons carrying out the business of weaving; Mr. L. Sharp, representing the interests of persons employed in the finishing section of the industry; Mr. L. T. Wright, representing the interests of persons employed in the weaving section of the industry; Mr. J. King and Alderman J. W. Whitworth, representing the interests of persons employed in the spinning and doubling sections of the industry.

Notes: The Cotton Board is a Development Council established under the Industrial Organization and Development Act, 1947. It comprises four persons representing the interests of members carrying on business in the industry, four members representing the interests of persons employed in the industry, and three independent members, including the chairman. All members are appointed by the President of the Board of Trade.

Mr. Frank Rostron is a director of Ferranti Ltd., and is a past-president of the Manchester Chamber of Commerce. He has been an independent member of the Cotton Board since April 1959 and was appointed chairman on January 1, 1963 in succession to Lord Rochdale. Mr. Broatch was until December 31, 1962 director general of the Cotton Board.

Economic Report 1962 *(Continued)*

Expenditure and Output at constant prices

After discounting the effect of price changes, gross domestic product (measured by expenditure data) was a little lower in 1962 than in 1961. This compares with increases of 4½ per cent. between 1959 and 1960 and 3 per cent. between 1960 and 1961.

A commentary on the changes during 1962 will be included in an article entitled 'National Income and Expenditure in the Fourth Quarter of 1962' in the April issue of *Economic Trends.*

Balance of Payments for Year 1962

TABLES OF annual figures for 1957 to 1962 are included in the White Paper (Cmnd. 1984); annual figures for years 1958 to 1962, together with quarterly figures for 1960, 1961 and 1962, and a discussion of changes during the course of 1962 are given in the March issue of *Economic Trends.*

The improvement in the balance on current account which began in 1961 was continued. There was a surplus of £67 million in 1962, compared with a deficit of £72 million in 1961. The balance of long-term capital was a net outflow of £92 million, compared with the exceptional net inflow – of £44 million – in 1961, when there were large special receipts totalling over £200 million. Thus, despite little change in the identified balance of current and long-term capital, there was a substantial underlying improvement. The balance of monetary movements was favourable by £103 million. This is reconciled with the identified deficit of £25 million by a positive balancing item (net unrecorded receipts) of £128 million.

Current Account

The increase in imports from 1961 to 1962 was slight, and although exports stopped rising after the middle of the year, the increase in exports was bigger. The visible trade deficit was reduced by nearly £80 million. Net invisible receipts rose by over £60 million – a reversal of the serious decline in past years. The current account moved from deficit into surplus, improving by nearly £140 million.

Long-term Capital Account

This usually shows a net outflow. In 1961, because of a number of special receipts (the investment by the Ford Motor Company of America, advance debt repayment by France and Germany, and a loan from Switzerland) which totalled over £200 million, there was a net inflow. In 1962 the account reverted to a net outflow of £92 million.

Balance on Current and Long-term Capital Accounts

As the improvement on current account was similar in size to the change on long-term capital account the identified deficit on current and long-term capital accounts was almost the same in both years – £28 million in 1961 and £25 million in 1962.

Monetary Movements

During the year the United Kingdom repaid the outstanding part – £308 million – of its 1961 drawing from the International Monetary Fund, which reduced both the United Kingdom's reserves and the sterling holdings of the Fund by that amount.

The balance of monetary movements was favourable by £103 million. This is reconciled with the identified deficit of £25 million by a positive balancing item of £128 million.

Government Expenditure Below the Line, 1963-1964

A White Paper, 'Government Expenditure Below the Line, 1963-64' (Cmnd. 1983), published on March 28, gives figures of below the line transactions for 1960-61 to 1961-62 and estimates for 1962-63 to 1963-64. Copies: H.M. Stationery Office. Price 1s. 6d.

Design Centre to Open on Bank Holidays

The Design Centre, the Council of Industrial Design's permanent exhibition of modern British goods, at 28 Haymarket, London, S.W.1, will in future open on the four English Bank Holidays – Easter and Whit Mondays, the first Monday in August, and Boxing Day – from 2.30 p.m. to 6.30 p.m. The new arrangements will start this Easter Monday.

Machine Translation Conference

The Department of Scientific and Industrial Research has published the proceedings of the four-day international Conference on 'The machine translation of languages and applied language analysis' held at the National Physical Laboratory in September 1961. Copies: H.M. Stationery Office. Price £2 10s. (by post £2 12s. 6d.).

United Kingdom Imports of Some Cotton Textiles

THE GOVERNMENTS of the countries named below have agreed, at the request of the British Government and with effect from January 1, 1963 (mid 1962 in the case of India and Hong Kong), to exercise restraint over the export of some types of cotton textiles to the United Kingdom. The following changes in the control arrangements for imports of cotton textiles (which were announced by the Board of Trade in Notice to Importers No. 1034 of April 1, 1963) will accordingly become effective in respect of goods imported on or after April 8, 1963.

Yarn from India and Hong Kong

India and Hong Kong have agreed to limit exports of yarn to the United Kingdom for home retention to an annual rate of 11·5 and 6·3 m. lbs. respectively. The necessary arrangements are already in force in the exporting countries for the exercise of control by the issue of export certificates in the same way as for piece goods. The Open General Licence is now being amended to allow imports into Britain only when covered by a valid export certificate issued by the authorities in India or Hong Kong respectively. United Kingdom importers should therefore ensure that their overseas suppliers are aware that a copy of the export certificate must accompany the shipping documents in order to enable the importer to clear the goods through H.M. Customs in the United Kingdom.

Made-up Goods from Hong Kong

Notice to Importers No. 1009 of July 13, 1962, indicated that as a provisional measure, H.M. Customs would accept a copy of form E.120 (Sale), endorsed by the Hong Kong authorities, as a record of the Hong Kong Government's authority to export. This is no longer to apply. Export certificates are now being issued to cover made-up goods as well as piece goods, and importers should ensure that a copy is provided by their suppliers to permit clearance through H.M. Customs in the United Kingdom.

Piece Goods from Malaya

Malaya has agreed to limit exports to this country of woven cotton piece goods for home retention to an annual rate of 5 m. square yards. The Open General Licence is being amended to permit entry of consignments only if authorized by the Government of Malaya. United Kingdom importers should therefore ensure that they receive a copy of the export certificate issued by the Malayan authorities in order that they may be enabled to clear the goods through H.M. Customs in the United Kingdom.

Grey Cloth from Yugoslavia

Yugoslavia has agreed to limit exports to this country of cotton grey cloth for home retention to an annual rate of 5·5 m. square yards. The Open General Licence is being amended to permit entry of consignments only if authorized by the Government of Yugoslavia. United Kingdom importers should therefore ensure that they receive a copy of the export certificate issued by the Yugoslav authorities in order that they may be enabled to clear the goods through H.M. Customs.

Imports for Re-export

These limitations will not apply to piece goods from Malaya or grey cloth from Yugoslavia which are imported for processing and re-export in the piece, or to imports of yarn from India or Hong Kong for processing and re-export as yarn. Such goods will not, however, be admitted unless accompanied by the appropriate export certificate issued by the Government concerned, which will be freely issued to exporters producing a re-export undertaking as indicated below.

In the case of piece goods from Malaya, and yarn from India or Hong Kong, re-export undertakings (on forms obtainable from the Board of Trade) must be sent in triplicate to the Accountants' Division, Board of Trade, 76 Newton Street, Manchester, 1. After endorsement by the Board of Trade, one copy will be sent to the appropriate Government and one copy will be returned to the importer who must forward it to his overseas supplier to support the supplier's application for an export certificate.

For grey cloth from Yugoslavia, imports for processing and re-export will be subject to the Customs Processing regulations. Re-export undertakings, again in triplicate, (on forms obtainable from the Board of Trade), must in this case be sent to the Tariff and Import Policy Division of the Board of Trade, Horse Guards Avenue, London, S.W.1. After endorsement, one copy will be sent to the Yugoslav Government and one copy will be returned to the importer for transmission to his supplier to support the latter's application for an export certificate.

Amendment to the Open General Import Licence

Copies of the Amendment (No. 5) to the Open General Licence will be available from H.M. Stationery Office. The following consequential alteration should be made in the Summary of Imports Licensing Regulations published as Notice to Importers No. 1000 (as amended by Notices Nos. 1009, 1018 and 1020):

> In Part I of the First Schedule, the exceptions from the entry relating to cotton yarns, gauze and fabrics should now read as follows:
>
> *'Yarns originating in India or Hong Kong and consigned to the United Kingdom from the country in which they originated under the authority of the Government of that country.*
>
> *'Fabrics originating in Malaya or Yugoslavia and consigned to the United Kingdom from the country in which they originated under the authority of the Government of that country.*
>
> *'Fabrics and textile articles originating in India, Pakistan or Hong Kong and consigned to the United Kingdom from the country in which they originated under the authority of the Government of that country.'*

Consequential Amendments to the Open Individual Licences applicable to Cotton Textiles

By reason of the changes relating to imports from Malaya and Yugoslavia indicated above, it has become necessary to amend the terms of the Open Individual Licences for imports of cotton textiles and yarns issued under the provisions of Notice to Importers No. 1019 dated November 30, 1962. **Holders of these licences are hereby informed that, as from April 8, 1963, the licences will no longer be valid for imports of cotton piece goods from Malaya or of cotton grey cloth from Yugoslavia.**

Staffordshire Firm's Export Achievements

WHEN Mr. Alan Green, Minister of State, Board of Trade, visited the Stone factory of Quickfit & Quartz Limited on March 26, he was told by Mr. Brian H. Turpin, managing director, that the firm now exports one third of its total manufactured output. Mr. Turpin added that he expected this proportion to increase.

The Minister toured the factory and met members of the Joint Production and Advisory Committee. He inspected a model of the firm's new £750,000 factory, now building at Walton, on the outskirts of Stone, which is expected to be completed in autumn this year.

Visit of Government Officials from Northern Nigeria

THREE GOVERNMENT officials from Northern Nigeria arrived in this country on March 28 and will be guests of the Commonwealth Relations Office until April 25.

They are the Hon. Alhaji Ladan Baki, Commissioner for Zaria Province, Member of the House of Assembly; the Hon. E. B. Mamiso, Commissioner for Sardauna Province, Member of the House of Assembly; and Mallam U. M. Erena, Parliamentary Secretary, Ministry of Agriculture.

The visitors will see something of industrial developments in this country as well as Central and Local Government activities and will have discussions with officials and representatives of the Political Parties. Apart from their stay in London they will visit the North West and North East of England, including visits to Liverpool, Burnley, Ambleside and Newcastle-upon-Tyne.

Applications for Temporary Exemption from Import Duty

THE BOARD OF TRADE are considering applications for the temporary exemption from import duty of the materials listed below on the grounds that these materials are not made in this country or the Commonwealth or the supply available from these sources is not substantial having regard to the existing United Kingdom demand.

Representations are invited from manufacturers in this country or agents of Commonwealth manufacturers who consider they are, or will be within a reasonable period, in a position to supply a substantial proportion of the United Kingdom demand for these materials, or who are interested in their future production.

Temporary exemptions come into effect on the operative date of the Treasury Order in which the materials are specified and normally continue until the end of the current calendar year, when they are reviewed.

Letters, giving the respective reference shown below, should be addressed to Tariff and Import Policy Division, Board of Trade, Horse Guards Avenue, London, S.W.1, preferably through a Trade Association, and should be received by April 19, 1963.

Tariff heading	Proposed definition for tariff purposes	Applied for as	Exemption required until	Reference
28.14	Sulphur tetrafluoride	Sulphur tetrafluoride	December 31, 1963	2859
29.02	Chloromethane	Methyl chloride (Chloromethane).	December 31, 1963	6169
29.31	Ambazone	Benzoquinone aminohydrazone thiosemicarbazone hydrate.	December 31, 1963	6141
29.37	Dehydracetic acid	Dehydracetic acid of a purity 96% and over.	December 31, 1963	6143
29.37	Sodium dehydracetate	Sodium dehydracetate	December 31, 1963	6144

Companies Registration Office (Fees) (No. 2) Order, 1963

THE TREASURY have made an Order requiring registration fees payable under the Limited Partnership Act, 1907, and the Newspaper Libel and Registration Act, 1881, to be paid in money instead of by means of stamps. The stamp duty payable under the Limited Partnerships Act is not affected by the Order.

The Order comes into operation on April 1, 1963 and has been published as S.I. 1963 No. 596. Copies are obtainable from H.M. Stationery Office, Kingsway, London, W.C.2, and branches, price 3d. (by post 5½d.).

Drawback on Some Electrical Plugs and Some Imported Wood Pulp Board

THE TREASURY have made the Import Duty Drawbacks (No. 2) Order, 1963, which provides for:

(i) the allowance of drawback of import duty on the exportation of certain electrical plugs when fitted to power tools, and

(ii) the allowance of drawback of import duty on certain imported wood pulp board used in the manufacture of exported printed dripmats.

The Order came into operation on April 3, and has been published as Statutory Instruments 1963, No. 603.

The Import Duties (General) (No. 2) Order 1963

THE TREASURY have made the Import Duties (General) (No. 2) Order 1963, which changes the full rate of import duty on styrene monomer and the full and EFTA rates on solutions of alkyd resins in hydrocarbon oil and, in particular, provides that the import duty shall be chargeable in addition to any revenue duty chargeable. It also removes the EFTA rate of import duty from styrene monomer.

The Order came into operation on April 3 and has been published as Statutory Instruments 1963, No. 602.

Application for Removal of Duty on Some Botanical Drugs

THE BOARD OF TRADE give notice that they are considering an application for removal of the import duty on some botanical drugs.

A statement of the applicant's case will be made available to interested parties who wish to make representations in the matter, if they are prepared to give an undertaking to treat the information contained therein as strictly confidential and to allow their comments to be passed to the applicants for reply. Requests for the statement of case, together with an undertaking in the terms set out above, should be addressed in writing to the Tariff and Import Policy Division, Board of Trade, Horse Guards Avenue, London, S.W.1, not later than April 23.

Application for Drawback on Fresh Oranges when Re-exported

THE BOARD OF TRADE give notice that they are considering an application for the allowance of drawback of duty on the following:

Fresh oranges imported and re-exported in the same state as at importation, whether or not re-packed.

Representations which interested parties may wish to make should be addressed in writing to the Board of Trade, Tariff and Import Policy Division, Horse Guards Avenue, London, S.W.1, not later than April 19, 1963.

Application for Drawback on Cigarette Lighter Gas Tanks for Export

THE BOARD OF TRADE give notice that they are considering an application for the allowance of drawback of duty on the following:

Imported articles – metal gas tanks for cigarette lighters
Exported goods – gas cigarette lighters

Any interested party wishing to support or oppose this application should do so in writing to the Tariff and Import Policy Division, Board of Trade, Horse Guards Avenue, London, S.W.1, by April 19, 1963.

The Hydrocarbon Oil Duties (Drawback) (No. 1) Order 1963

THE TREASURY have made the Hydrocarbon Oil Duties (Drawback) (No. 1) Order 1963 which reduces the rates used for determining the quantities of hydrocarbon oil in respect of which drawback is allowed in relation to rubber hydrochloride packing film and Vitamin D 3.

The Order came into operation on April 1, and has been published as Statutory Instruments 1963, No. 595.

Opportunities for Capital Goods in Central American Markets

A REPORT entitled 'Central American Survey', compiled by the Intelligence Department of Barclays Bank Ltd., and intended for the guidance of United Kingdom exporters, gives details of the main products of the countries, and discusses the plans for agricultural and industrial development in the area. There are also brief reports on each of the six countries concerned, giving details of the financial problems of each and of the value of their total trade and of their trade with the United Kingdom.

The report's conclusion is that, although there has been only limited scope for United Kingdom exporters in Central American countries and although the United States still dominates the trading scene, the area is now becoming a market of greater potential as agricultural and industrial developments proceed. Opportunities are, however, likely to be limited to capital goods because only a small percentage of the population is able to afford luxury goods.

Copies from any branch of Barclays Bank Ltd.

Report on British Railways

The report entitled 'The Reshaping of British Railways', presented by Dr. Beeching on March 27, is published by H.M. Stationery Office, price £1.

The Register of Restrictive Trading Agreements

Additions and Amendments to the Register

A list of additions and amendments made to the alphabetical index to the register between January 1 and March 31, 1963, is given below; the amendments are shown in italics.

'D' and 'F' Agreements

Also given below, headed 'D' and 'F' Agreements, is a schedule which brings up to date at March 31, 1963, particulars of those agreements which have been determined or varied.

A full explanation of the basis on which these two lists have been compiled, and the meaning of the symbols used, was published in the *Board of Trade Journal* on January 4, 1963, (page 14).

Agreements referred to the Restrictive Practices Court

The undermentioned list, headed 'Agreements referred to the Restrictive Practices Court,' gives details of additional agreements in respect of which Notices of Reference have been issued, thus constituting formal commencement of proceedings before the Restrictive Practices Court, as explained in the introductory paragraph to the lists published in the *Board of Trade Journal* on January 4, 1963, (page 14). Anyone who may be in a position to assist the Court with evidence from his own experience of results of any of these agreements which he thinks affect the public interest is asked to communicate as early as possible with the Treasury Solicitor's Branch, Office of the Registrar of Restrictive Trading Agreements, Chancery House, Chancery Lane, London, W.C.2.

Inspection of the Register

The register may be inspected at a fee of 1s. per day, between 10 a.m. and 4.30 p.m., on any weekday except Saturday and certain holidays at any of the following addresses:

Office of the Registrar of Restrictive Trading Agreements,
Chancery House, Chancery Lane, London, W.C.2.
9 Wemyss Place, Edinburgh, 3.
Chichester House, 64 Chichester Street, Belfast.

The indexes to the register, one as published in the *Board of Trade Journal* and one in which commodities are grouped by classes, may be inspected at these addresses free of charge.

Additions and Amendments to the Register

Registered No. of Agreement	Commodity
	B
2789	Bicycles, *delete E.8/62.*
2800	Builders' castings, *add F.2/63.*
181	Building materials.
528	Building materials, *add Manchester, Salford and District.*
	C
98	Carpets and rugs, Dundee and district, *add F.2/63.*
2799	Cast iron drain connections, *add D.2/63.*
2800	Cast iron drain connections, *add F.2/63.*
2798	Cast iron rainwater and soil goods, *add D.1/63.*
2800	Cast iron rainwater and soil goods, *add F.2/63.*
918	Cast iron segments, *add D.11/62.*
919	Cast iron segments, Glasgow, *add D.11/62.*
172	Chairs, *add D.12/62.*
177	Crude tar acids, *add D.2/63.*
222	Crude tar acids, *add D.12/62.*
	D
2797	Domestic solid fuel cooking and heating appliances, *add D.2/63.*
2800	Domestic solid fuel cooking and heating appliances, *add F.2/63.*
	E
2813	Electrical goods.
689	Electrical switchgear, *delete E.12/62 and insert E.12/63.*
711	Electrical switchgear, *delete E.12/62 and insert E.12/63.*
1620	Electric signs, *add F.11/62.*

Registered No. of Agreement	Commodity
	F
983	Fireclay firebricks (furnace refractories), fireclay, *add C.12/61, C.6/62.*
561	Fireworks, *add D.6/62.*
98	Furniture, Dundee and District, *add F.2/63.*
1329	Furniture, Scotland, *add F.2/63.*
	H
2819	Household articles of textile materials.
	I
138	Iron castings, *add D.7/62.*
399	Iron castings, *add F.7/62.*
	M
173	Mattresses, *add D.12/62.*
2213	Milk, *add F.1/63.*
2808	Milk storage tanks, F.11/60.
2789	Motor cycles, motor cycle spare parts, *delete E.8/62.*
	N
2822	Newspapers, daily.
2821	Newspapers, northern.
	P
1719	Paraffin oil, Bristol and District, *add D.9/62.*
1935	Permanent magnets, *add C.6/62.*
2819	Plastic goods.
2778	Plumbing materials, Aberdeen and District, *add and fittings.*
2659	Poultry, *add D.1/63.*

Registered No. of Agreement	Commodity
	R
2671	Railway rolling stock and parts, *add D.6/62.*
2745	Reinforcement products, N. Ireland, *delete E.6/66 and insert D.7/62.*
1263	Roller bearing inserts for textile machinery, *add D.12/62.*
	S
2789	Sidecars, *delete E.8/62.*
181	*Delete Specialist floor construction.*
2584	Surgical footwear, *add F.11/62.*
2816	Surgical footwear and appliances.
	T
1263	Textile machinery, *add D.12/62.*
2819	Textile piece-goods.
	V
2224	Vegetable parchment, *add D.9/62.*
2823	Ventilating fans, E.10/64.
	W
2819	Wearing apparel.

'D' and 'F' Agreements

Registered No. of Agreement	Commodity	Area	D or F	Date
98	Carpets and rugs, furniture	Dundee and District	F	Feb. 1963
138	Iron castings	—	D	July, 1962
172	Chairs	—	D	Dec. 1962
173	Mattresses	—	D	Dec. 1962
177	Crude tar acids	—	D	Feb. 1963
222	Crude tar acids	—	D	Dec. 1962
399	Iron castings	—	F	July, 1962
561	Fireworks	—	D	June, 1962
918	Cast iron segments	—	D	Nov. 1962
919	Cast iron segments	Glasgow	D	Nov. 1962
1263	Textile machinery; roller bearing inserts for textile machinery	—	D	Dec. 1962
1329	Furniture	Scotland	F	Feb. 1963
1620	Electric signs	—	F	Nov. 1962
1719	Paraffin oil	Bristol and District	D	Sept. 1962
2213	Milk	—	F	Jan. 1963
2224	Vegetable parchment	—	D	Sept. 1962
2584	Surgical footwear	—	F	Nov. 1962
2659	Poultry	—	D	Jan. 1963
2671	Railway rolling stock and parts	—	D	June, 1962
2745	Reinforcement products	N. Ireland	D	July, 1962
2797	Domestic solid fuel cooking and heating appliances	—	D	Feb. 1963

Registered No. of Agreement	Commodity	Area	D or F	Date
2798	Cast iron rainwater and soil goods	—	D	Jan. 1963
2799	Cast iron drain connections	—	D	Feb. 1963
2800	Builders' castings; cast iron drain connections; cast iron rainwater and soil goods; domestic solid fuel cooking and heating appliances	—	F	Feb. 1963
2808	Milk storage tanks	—	F	Nov. 1960
2813	Electrical goods	—	D	Sept. 1962

Agreements Referred to the Restrictive Practices Court

Registered No. of Agreement	Commodity
2682	Pigskins
2755	Bananas.
2805	Newspapers, dailies
2797	Domestic solid fuel cooking and heating appliances.
2798	Cast iron rainwater and soil goods.
2799	Cast iron drain connections.
2800	Domestic solid fuel cooking and heating appliances.
351	Black bolts, nuts, set screws, coach screws and washers

The Economy—Selected Indicators

Series expressed as index numbers and seasonally adjusted except where otherwise shown

	GROSS DOMESTIC PRODUCT (expenditure estimates)	INDEX OF INDUSTRIAL PRODUCTION	CONSUMERS' INCOME AND EXPENDITURE				FIXED CAPITAL EXPENDITURE					CHANGES IN STOCKS			
			Personal disposable income	Total consumers' expenditure		Retail sales	Total	Selected components				Total	Selected components		
								Manufacturing industry	Distributive and service industries	Dwellings	Public sector excluding dwellings		Manufacturing industry	Wholesalers	Retailers
	at 1958 prices		at current prices		at 1958 prices	at 1957 prices	at 1958 prices					at 1958 prices			
Base of index / Value in base year, £ m.	1958 / 20,029	1958 / —	1958 / 16,029	1958 / 15,271	1958 / 15,271	1957 / 7,637	1958 / 3,493	1958 / 922	1958 / 699	1958 / 591	1958 / 1,205	series shown in £ million			
1958	100	100	100	100	100	101	100	100	100	100	100	+ 99	+ 36	+14	+16
1959	103	105	106	105	104	105	108	94	114	113	109	+173	+ 73	+15	+48
1960	108	112	114	110	108	108	118	110	124	129	114	+590	+520	+48	+35
1961	111	114	121	115	110	111	128	130	132	136	122	+292	+230	+36	+ 5
1962	111	115	126	120	112	111	126	114*	123*	139	127	+ 99	+ 55*	—10*	+39*
1961															
3rd Quarter	112	115	122	116	110	111	133	135	139	139	126	+ 29	+ 53	— 8	—24
4th Quarter	111	113	123	116	110	111	127	130	128	139	118	+ 54	+ 64	— 1	—11
1962															
1st Quarter	109	113	124	117	110	111	125	122	118	135	127	— 19	— 32	+16	+32
2nd Quarter	112	116	125	121	112	110	128	120	129	141	127	+ 39	+ 32	—10	—12
3rd Quarter	111	117	126	121	112	112	127	111	131	146	126	+ 66	+ 34	+20	Nil
4th Quarter	110	114	128	122	113	112	122	104*	113*	134	129	+ 13	+ 21*	—4*	+19*
1962															
August	..	117	..	..	..	113	..	..	..	..	..	..	..	..	..
September	..	117	..	..	..	113	..	..	..	..	..	..	..	..	..
October	..	115	..	..	..	111	..	..	..	..	..	..	..	..	..
November	..	115	..	..	..	113	..	..	..	..	..	..	..	..	..
December	..	111	..	..	..	112	..	..	..	..	..	..	..	..	..
1963															
January	..	105*	..	..	..	112	..	..	..	..	..	..	..	..	..
February	..		..	..	..	111	..	..	..	..	..	..	..	..	..

	ORDERS		PRICES AND COSTS					LABOUR						IMPORTS	EXPORTS	BALANCE OF PAYMENTS: current balance
	Engineering industries: orders on hand†	Textiles and clothing industries: orders on hand†	Index of retail prices		Wholesale price index: non-food manufacturing industry		Hourly wage rates: all industries and workers†	Wholly unemployed excluding school-leavers			Unfilled vacancies for adults					
			Index†	% change on year earlier	Basic materials and fuel used†	Manufactured products: home sales†		Mid-month or monthly average†	Change from previous period†	Normal seasonal change	Mid-month or monthly average†	Change from previous period†	Normal seasonal change			
	at 1958 prices													at current prices		
Base of index / Value in base year, £ m.	Dec. 1958 / ..	Apr. 1959 / ..	Jan. 17, 1956 (Derived series from January, 1963) / —		1954 / —	1954 / —	Jan. 31, 1956 / —	series shown in thousands						1958 / 3,748	1958 / 3,176	series shown in £ million
1958	100	..	109·0	+3·0	102·8	113·4	114·3	402	+113	..	136	—49	..	100	100	+32
1959	101	135	109·6	+0·6	103·4	114·3	117·4	433	+ 31	..	157	+21	..	106	105	+114
1960	117	136	110·7	+1·0	104·5	116·0	122·5	337	— 96	..	212	+55	..	121	112	—308
1961	120	104	114·5	+3·4	104·4	119·1	130·3	305	— 32	..	213	+ 1	..	117	116	— 72
1962	114*	100*	119·3	+4·2	103·0*	120·6*	136·2	419	+114	..	149	—64	..	120	119	+ 67
1961																
3rd Quarter	124	107	115·3	+4·2	104·6	119·4	130·7	262	— 20	—34	236	— 5	+ 7	115	117	+ 12
4th Quarter	120	104	116·6	+4·3	103·4	119·6	132·3	339	+ 77	+49	175	—61	—32	115	115	— 1
1962																
1st Quarter	121	98	117·7	+4·7	104·0	120·2	133·7	408	+ 69	+42	150	—25	— 7	117	116	+ 19
2nd Quarter	120	99	120·2	+5·6	103·3	120·3	135·6	387	— 21	—57	172	+22	+32	120	121	+ 31
3rd Quarter	119	92	119·7	+3·8	102·2	120·8	137·3	390	+ 3	—34	156	—16	+ 7	123	121	— 19
4th Quarter	114*	100*	119·6	+2·6	102·5*	121·1*	138·3	491	+101	+49	120	—36	—32	120	120	+ 36
1963																
1st Quarter								627	+136	—58	113	—7	+33			
1962																
August	119	93	119·4	+3·2	102·0	120·8	137·3	392	+ 21	+ 9	154	—13	— 8	124	117	..
September	119	92	119·3	+3·3	101·9	121·1	137·5	407	+ 15	+13	147	— 7	— 8	120	123	..
October	118*	98*	119·1	+2·9	102·1	121·1	137·6	456	+ 49	+26	131	—16	—11	124	127	..
November	116*	101*	119·6	+2·3	102·6	121·1	138·5	497	+ 41	+18	118	—13	—14	118	115	..
December	114*	100*	120·2	+2·6	102·9*	121·0*	138·8	520	+ 23	— 1	110	— 8	—12	117	119	..
1963																
January	115*	100*	120·7	+2·7	103·6*	121·0*	139·1	605	+ 85	+41	108	— 2	— 1	116	117	..
February			121·7	+3·5	103·6*	121·0*	139·4	647	+ 42	+ 2	110	+ 2	+ 6	122	121	..
March								628	— 19	—19	122	+12	+10			..
April																

†NOT seasonally adjusted. *Provisional.

REPORTS FOR U.K. EXPORTERS ON FIRMS OVERSEAS

UNITED KINGDOM exporters may wish to know more about a firm abroad which has offered to do business with them. The Board of Trade keeps records about the standing, activities and influence of many firms abroad, and will make inquiries about any particular firm not already on record. These are not credit reports (for which the inquirer should apply to banks and other agencies) but they are useful in deciding the suitability of the overseas trader as a sales outlet. Requests for reports should be addressed to Export Services Branch, Board of Trade, Hillgate House, 35 Old Bailey, London, E.C.4, or to the appropriate Regional office of the Board.

Import and Export Prices in February

IN FEBRUARY the export price index was unchanged from the previous month's level of 115. Although the import price index moved up one point to 97 the increase was not sufficiently large to alter the terms of trade which have now been steady at 84 for the past eight months (1954=100).

The rise in the overall import price index was rather more than one half of one per cent. reflected as a movement of one point in the rounded figures. This rise was the result of increases in the food, beverages and tobacco index, due largely to a further increase in the average value of imports of sugar, and in the basic materials index, reflecting increased wool prices. The indices for both fuels and manufactured goods remained unchanged.

A small increase in the total export price index was largely the result of increases in the prices of exports of non-manufactured goods.

The method of calculating the import and export price index was explained in the *Board of Trade Journal* of May 2, 1958.

(1954 = 100)

	Imports					Exports						
		Sections 0 and 1	Sections 2 and 4	Section 3	Sections 5 to 8		Manufactured Goods (Sections 5 to 8)					*
	Total	Food, Beverages and Tobacco	Basic Materials	Fuels	Manufactured Goods	Total	Total	Classified Chiefly by Materials			** Machinery and Transport Equipment	Terms of Trade
								† Total	‡ Textiles	§ Metals		
1955	103	101	104	102	109	102	102	102	100	104	103	101
1956	105	101	106	110	110	106	106	106	99	111	107	99
1957	107	101	110	128	104	111	109	108	101	115	112	96
1958	99	97	96	112	101	110	111	109	101	118	115	90
1959	98	98	93	104	104	109	111	106	98	114	118	90
1960	99	97	96	98	107	111	114	110	102	117	121	89
1961	97	94	95	96	107	112	115	112	106	117	122	86
1962	96	95	91	95	105	113	117	113	106	119	124	85
1961 January	98	97	94	95	107	112	114	111	105	117	121	88
February	97	94	94	96	107	112	115	114	107	119	122	87
March	97	95	94	96	107	112	115	112	106	117	121	87
April	98	96	95	97	108	112	115	113	107	118	121	88
May	99	96	97	96	109	112	115	112	107	117	120	88
June	98	95	96	95	108	112	115	112	108	115	121	88
July	97	92	97	96	107	112	115	112	105	117	122	86
August	95	91	96	93	106	112	115	112	107	118	122	85
September	95	91	95	95	106	112	115	112	106	117	123	85
October	96	91	95	96	106	112	115	112	106	117	122	85
November	96	93	93	97	106	112	115	112	104	118	123	85
December	96	93	94	96	106	113	116	112	106	117	123	85
1962 January	96	93	93	96	106	113	116	114	106	119	123	85
February	96	94	93	96	105	113	116	113	106	120	123	85
March	96	94	92	96	105	113	116	113	107	119	123	85
April	96	96	92	96	105	113	116	113	107	119	123	85
May	95	94	92	96	104	113	116	113	106	119	123	84
June	96	96	91	94	104	113	116	113	106	120	123	85
July	95	95	90	95	104	113	116	113	105	119	123	84
August	95	93	90	95	105	113	116	113	105	119	124	84
September	95	96	89	95	105	113	117	113	106	119	125	84
October	96	97	89	95	105	114	117	114	106	119	125	84
November	96	98	88	95	105	114	118	113	106	119	127	84
December	96	98	89	95	105	114	118	113	106	117	127	84
1963 January	96	99	88	94	106	115	118	113	108	118	127	84
February	97	100	90	94	106	115	118	114	108	118	127	84

(*) Import Price Index as a percentage of the Export Price Index.
(†) Export List Section 6. (§) Export List Divisions 67, 68 and 69.
(‡) Export List Division 65. (**) Export List Section 7.

GOVERNMENT PUBLICATIONS
required by customers in London may be obtained quickly from
H.M. STATIONERY OFFICE, 423 OXFORD STREET, W.1, or YORK HOUSE, KINGSWAY W.C.2

Retail Sales Unchanged in February

THE STEADINESS, which has been apparent for some months now in the underlying trend in the value of retail sales seems to have continued in February. The seasonally adjusted index of the value of total sales – 121 – was the same as in January, and compared with 120 in the fourth quarter of last year and 121 in the third quarter. The value of sales by food shops rose again, although the increase was smaller than in January, and the value of sales by non-food shops fell again. The volume of retail sales, at 1957 prices, was lower than in January, the seasonally adjusted index falling from 112 to 111 largely because of increases in food prices.

The value of sales before seasonal adjustment was 2 per cent. higher in February than a year earlier compared with an increase of 4 per cent. in January and 3 per cent. in the fourth quarter of last year.

Clothing and footwear shops

There was a further slight fall in the total sales of clothing and footwear shops and the seasonally adjusted index was 118 compared with 119 in January and 120 in December. Footwear shops, although they account for less than a sixth of the sales of this group, seem to have had a particularly depressing effect on the total with sales 13 per cent. lower than a year earlier (following a fall of 6 per cent. in January) while men's wear shops showed an increase of 4 per cent. (against no change in January). Women's wear shops showed a slightly smaller increase – 2 per cent. against 3 per cent. – and in total sales were unchanged against an increase of 1 per cent. in January. Prices of clothing and footwear were again about 3 per cent. higher than a year earlier.

Retail Sales Seasonally Adjusted

Index numbers of value of sales per week

(i) at current prices. 1957 = 100

	All kinds of business	Food shops	Non-food shops			
			Total	Clothing and footwear shops	Durable goods shops	Other non-food shops (a)
1962 1st Quarter	118	117	119	117	110	122
2nd Quarter	118	117	119	116	115	121
3rd Quarter	121	119	123	123	117	125
4th Quarter	120	119	121	121	114	125
1962 February	119	117	119	118	111	123
March	118	117	118	114	110	121
April	118	118	118	116	109	120
May	119	117	120	116	116	123
June	118	116	120	116	117	121
July	118	118	119	116	118	122
August	122	120	124	124	119	125
September	122	119	125	128	115	126
October	118	118	119	119	113	124
November	121	119	122	124	114	126
December	120	119	122	120	115	126
1963 January	121	122	120	119	109	126
February	121	123	119	118	108	124

(ii) at average 1957 prices.

	All kinds of business	Food shops	Non-food shops
1962 1st Quarter	111	109	113
2nd Quarter	110	108	112
3rd Quarter	112	110	114
4th Quarter	112	111	113
1962 February	112	110	113
March	111	109	113
April	110	108	111
May	111	108	113
June	110	107	112
July	110	108	111
August	113	111	115
September	113	110	116
October	111	110	111
November	113	112	114
December	112	111	113
1963 January	112	111	113
February	111	110	112

(a) Including general department stores.

Durable goods

The seasonally adjusted index of the value of sales by durable goods shops was little changed – 108 compared with 109 in January – following the fall of 6 points in January which was partly accounted for by lower prices resulting from the purchase tax reductions at the beginning of the year. As in January, the severe weather may have particularly affected durable goods sales. Sales by furniture shops were again substantially lower than a year earlier – by 9 per cent. compared with 7 per cent. in January – and sales by radio and electrical, etc., goods shops were unchanged compared with an increase of 1 per cent. in January. Prices of durable goods, as in January, were at about the same level as a year earlier, compared with increases of about 2½ per cent. at the end of last year.

Analysis by Form of Organization

February – Index Numbers of Values of Sales per week and Percentage Changes Compared with a Year Earlier (a)

1957 = 100

	Total all retailers	Independent retailers	Multiple retailers	Co-operative societies
	%	%	%	%
ALL KINDS OF BUSINESS	108 + 2	105 + 1	123 + 5	103 +1
FOOD SHOPS	119 + 5	112 + 4	151 +10	107 +1
Grocers	121 + 5 (g)	111 + 4	162 +11	106 +1 (g)
Butchers	112 + 2	..	..	..
Greengrocers, fruiterers	104 — 2	103 — 1	129 — 1	102 —5
Fishmongers, poulterers	114 + 1	..	..	..
Bread and flour confectioners	123 + 5 (h)	117 + 3	144 + 7	..
Off-licences	110 + 7	96 + 5	133 +11	..
Dairymen	131 + 9	..	..	117 +5
Other food shops	115 + 2	..	..	..
NON-FOOD SHOPS	99 Nil	..	..	..
Clothing and footwear shops	86 Nil	84 + 1	92 Nil	76 —1
Footwear shops	72 —13	83 — 6	67 —17	63 —9
Men's wear shops	94 + 4	87 + 4	108 + 3	68 +4
Women's wear shops	87 + 2	83 + 1	96 + 6	82 +1
of which:				
Women's, girls and infants' wear specialist shops	..	66 — 5	..	—
Drapers' and general outfitting shops	—	89 + 2	..	—
Large (c)	—	84 Nil	—	—
Medium (c)	—	84 + 1	—	—
Small (c)	—	96 + 5	—	—
Durable goods shops	99 — 3	93 — 6	116 + 2	98 —4 (f)
Furniture shops	94 — 9	95 —10	92 — 5	—
Large (c)	—	94 — 9	—	—
Medium and small (c)	—	95 —10	—	—
Other durable goods shops	104 + 1	90 — 1 (e)	131 + 5*	—
Radio and electrical goods shops	92 Nil	90 — 1	100 + 5	—
Radio and cycle shops, cycle shops, perambulator shops				
Electricity showrooms	159 +10	—	159 +10	—
Gas showrooms	N.A.	—	N.A.	—
Miscellaneous non-food shops (b)	109 + 1	..	..	..
Confectioners, tobacconists, newsagents	112 + 1	111 Nil	121 + 5	—
Booksellers, stationers	..	129 + 7	..	—
Chemists, photographic goods dealers (d)	109 + 3	103 + 1	117 + 5	113 +2
Jewellers	94 — 4	93 — 5	97 + 1	—
Leather goods, sports goods, toys and fancy goods shops	78 — 6	..	..	—
Ironmongers and hardware shops	108 + 3	108 + 3	108 + 2	— (f)
General Department Stores	88 Nil	—	—	—

* Provisional.

Other non-food shops

The value of sales after seasonal adjustment by this group of traders fell in February and the index was 124 against 126 in January. Of the kinds of business which account for an important proportion of the total turnover of this group, department stores showed no increase on a year earlier compared with an increase of 2 per cent. in January, and confectioners, newsagents and tobacconists showed an increase of 1 per cent. against an increase of 2 per cent. in January. The very large increase of 13 per cent. in January in sales by ironmongers and hardware shops, thought to

(*Text continued on page* 760)

Retail Sales (*Continued*)

Index Numbers of Values of Sales per week, and Percentage Changes Compared with Year Earlier (*a*)

(i) Analysis by broad groups: value and volume.

1957 = 100

(Sales in 1957 £ million)	All kinds of business (£7,637 m.)				Food shops (£3,619 m.)				Non-food shops									
									Total (£4,018 m.)				Clothing and footwear shops (£1,188 m.)		Durable goods shops (f) (£739 m.)		General department stores (£381 m.)		Miscellaneous non-food shops (b) (£1,710 m.)	
	Value		Volume*		Value		Volume*		Value		Volume*									
		%		%		%		%		%		%		%		%		%		%
1958 Year	103	+3	101	+1	103	+3	100	Nil	103	+3	102	+2	100	Nil	105	+5	103	+3	104	+4
1959 Year	107	+4	105	+4	106	+3	101	+1	108	+5	109	+6	104	+4	118	+12	109	+5	107	+3
1960 Year	111	+4	108	+3	109	+3	105	+3	113	+4	112	+3	113	+8	112	— 5	116	+7	113	+5
1961 Year	115	+4	111	+2	113	+4	107	+3	117	+4	113	+1	117	+3	112	Nil	122	+5	119	+5
1962 Year	119	+3	111	+1	118	+4	109	+2	120	+3	113	Nil	119	+2	114	+ 2	125	+3	123	+3
1963 Year to date¶	111	+3	102	+1	119	+5	108	+2	104	+1	97	—1	95	+1	106	— 3	109	+1	108	+2
1962 1st Quarter	109	+3	102	Nil	114	+5	106	+2	104	+1	99	—2	95	—3	106	+ 1	105	—1	109	+3
2nd Quarter	116	+4	108	+1	116	+5	107	+2	115	+3	108	—1	118	+3	107	Nil	115	+4	116	+4
3rd Quarter	117	+4	109	+1	116	+4	107	+2	118	+4	110	+1	116	+5	113	+ 2	120	+4	121	+4
4th Quarter	136	+3	126	+1	126	+3	116	+1	145	+3	136	+1	148	+3	132	+ 5	161	+3	146	+3
1962 October	120	+3	112	Nil	116	+3	109	+1	124	+2	116	Nil	122	Nil	124	+ 5	131	+1	123	+3
November	127	+4	118	+2	119	+3	111	+2	134	+4	125	+2	135	+5	130	+ 5	148	+4	132	+3
December	156	+3	144	+1	138	+3	127	+1	171	+4	160	+1	178	+3	141	+ 6	194	+3	175	+3
1963 January	114	+4	105	+2	119	+6	109	+3	109	+2	103	Nil	104	+1	112	— 2	131	+2	107	+3
February	108	+2	99	—1	119	+5	107	Nil	99	Nil	92	—1	86	Nil	99	— 3	88	Nil	109	+1

(ii) Analysis by kind of business: value only.

(Sales in 1957 £ million)	Food shops												Clothing and footwear shops					
	Grocers (g) (£2,093 m.)		Butchers (£519 m.)		Greengrocers, fruiterers (£272 m.)		Fishmongers, poulterers (£73 m.)		Bread and flour confectioners (h) (£173 m.)		Off-licences (£112 m.)		Dairymen (£324 m.)		Other food shops (£53 m.)		Footwear shops (£187 m.)		Men's wear shops (£255 m.)		Women's wear shops (£746 m.)	
		%		%		%		%		%		%		%		%		%		%		%
1958 Year	103	+3	102	+2	104	+4	105	+5	105	+5	104	+3	102	+2	104	+4	102	+ 2	98	—2	101	+1
1959 Year	107	+4	102	Nil	104	Nil	107	+2	109	+4	107	+3	105	+3	109	+4	107	+ 6	103	+5	104	+3
1960 Year	109	+3	107	+5	103	—1	112	+4	115	+6	112	+5	109	+4	111	+2	118	+10	112	+9	112	+8
1961 Year	113	+3	108	+1	111	+7	115	+2	122	+6	121	+8	116	+7	110	Nil	122	+ 3	116	+3	116	+3
1962 Year	118	+5	110	+2	112	+1	117	+2	130	+7	128	+6	123	+6	115	+5	123	+ 1	119	+2	118	+2
1963 Year to date¶	121	+6	114	+3	100	—3	113	Nil	123	+6	115	+11	129	+9	115	+3	84	— 9	106	+2	94	+3
1962 1st Quarter	115	+5	110	+1	107	+3	114	—1	119	+6	103	+9	119	+5	112	+4	92	— 6	101	—1	93	—3
2nd Quarter	116	+5	105	+1	128	+6	119	+5	129	+8	106	+7	122	+4	113	+4	129	+ 3	118	+2	115	+2
3rd Quarter	117	+4	106	+3	113	+2	117	+3	134	+6	110	+8	122	+5	114	+7	125	+ 3	114	+5	114	+5
4th Quarter	126	+4	118	+1	99	—8	119	+2	139	+6	195	+4	128	+8	123	+3	148	+ 3	140	+3	150	+3
1962 October	118	+4	110	+1	90	—8	114	+4	134	+6	116	+8	127	+7	121	+6	127	— 2	111	+1	125	+1
November	122	+4	111	+2	95	—10	114	+3	134	+6	132	+7	129	+9	117	+4	140	+14	129	+6	135	+3
December	136	+3	129	Nil	109	—6	128	+1	146	+7	308	+1	129	+9	129	+2	172	Nil	173	+2	182	+4
1963 January	121	+7	117	+4	96	—5	112	—1	122	+8	120	+15	127	+8	114	+3	96	— 6	118	Nil	101	+3
February	121	+5	112	+2	104	—2	114	+1	123	+5	110	+ 7	131	+9	115	+2	72	—13	94	+4	87	+2

(Sales in 1957 £ million)	Durable goods shops (f)						Miscellaneous non-food shops							
		Other durable goods shops												
	Furniture shops (£324 m.)		Total (£352 m.)		Radio and electrical goods shops, Radio and cycle shops, perambulator shops (£290 m.)		Electricity showrooms (£33 m.)		Gas showrooms (£30 m.)		Confectioners, tobacconists, newsagents (£699 m.)		Booksellers, stationers§ (£69 m.)		Chemists, photographic goods dealers (d) (£205 m.)		Jewellers (£71 m.)		Leather goods, sports goods, toys and fancy goods shops (£63 m.)		Ironmongers and hardware shops (£184 m.)	
		%		%		%		%		%		%		%		%		%		%		%
1958 Year	105	+5	104	+4	100	Nil	123	+23	122	+22	102	+2	106	+6	103	+3	102	+ 2	102	+2	104	+4
1959 Year	116	+10	118	+14	108	+8	177	+44	157	+29	102	Nil	109	+3	109	+6	109	+ 8	106	+4	106	+2
1960 Year	112	— 3	109	— 8	99	—8	158	—11	148	— 6	106	+4	117	+8	115	+5	118	+ 8	114	+7	108	+2
1961 Year	115	+ 2	107	—1	97	—2	159	+ 1	150	+ 2	111	+5	123	+5	124	+7	124	+ 5	119	+5	111	+4
1962 Year	117	+ 2	111	+ 3	97	Nil	172	+ 8	172	+14	115	+4	129	+5	128	+3	124	Nil	120	+1	114	+2
1963 Year to date¶	103	— 8	109	+ 2	99	+1	152	+10	N.A.		112	+1	125	+5	110	+2	86	— 7	77	—7	114	+ 8
1962 1st Quarter	108	+ 1	105	+ 1	94	Nil	142	— 2	164	+11	110	+4	122	+4	110	+5	97	+ 1	83	—1	108	+ 3
2nd Quarter	111	+ 2	101	— 1	88	—3	165	+ 4	156	+ 6	110	+4	119	+5	121	+4	100	— 1	104	+2	111	+ 1
3rd Quarter	117	+ 2	106	+ 2	90	—2	182	+ 9	176	+16	115	+4	123	+5	128	+2	126	Nil	125	+2	113	+ 3
4th Quarter	130	+ 2	131	+ 8	117	+4	200	+20	191	+24	126	+2	151	+5	154	+3	175	Nil	167	Nil	124	+ 3
1962 October	122	+ 1	125	+ 8	110	+3	192	+16	202	+29	116	+3	128	+4	117	+3	105	— 1	107	—3	115	+ 2
November	132	+ 2	124	+ 8	107	+2	204	+24	210	+24	119	+2	147	+5	128	+3	126	Nil	127	— 1	118	+ 5
December	135	+ 3	141	+ 9	132	+6	203	+20	167	+19	140	+1	174	+5	204	+3	270	Nil	248	+2	137	+ 2
1963 January	111	— 7	114	+ 3	106	+1	145	+10	158	+11	111	+2	121	+2	111	+1	78	—11	76	—8	121	+13
February	94	— 9	104	+ 1	92	Nil	159	+10	N.A.		112	+1	129	+7	109	+3	94	— 4	78	—6	108	+ 3

§ Independent retailers only. * At average 1957 prices. ¶ January to February.

Engineering Management Course

A full-time residential management course in the United Kingdom, making extensive use of the case study methods and the practical management approach of the Harvard Business School, is offered under the title 'Engineering Management 1963/64'. The course which extends from October 5 to July 3, 1964 is run by the Department of Production and Industrial Administration of the College of Aeronautics in Cranfield, Bucks. Inquiries regarding the course should be addressed to: The Registrar, The College of Aeronautics, Cranfield, Bletchley, Bucks.

Retail Sales (*Continued*)

be due to sales of paraffin and heaters during the cold spell, was not repeated in February (only 3 per cent. higher than a year earlier). although the cold spell continued throughout most of February.

Food shops

The seasonally adjusted index of the value of food shops was 123 in February compared with 122 in January and 119 in December. Part of the sharp rise in January was accounted for by an increase in the volume of sales (concealed by the rounded figures) but the volume index fell a point in February to 110.

Notes

Kind of Business Statistics

(i) These statistics are based on returns from independent retailers (organizations, other than co-operative societies and general department stores, with one to nine branches), multiple retailers (organizations, other than co-operative societies and general department stores, with 10 or more branches), retail co-operative societies and general department stores.

(ii) For independent retailers, multiple retailers and general department stores the figures are based on the total sales, of all types of goods, by each shop and therefore represent the trend of sales in specified kinds of business. Co-operative societies report their sales on a departmental basis and a department's sales are assigned to the most closely corresponding kind of business heading. A single figure is returned for the departments selling durable goods and ironmongery and hardware and this figure is included in the total for durable goods shops.

(iii) Multiple retailers and co-operative societies report sales for all branches open in the sales period, so that, in respect of these two forms of organizations, the statistics take account of changes in the number of shops, e.g. the opening of new shops or the closing or disposal of existing shops. In the case of independent retailers and general department stores, however, sales are generally reported for individual establishments and no reliable measure of changes in the number of shops is available on the basis of which an adjustment might be made.

(iv) A description of the series, based on 1957=100, was given in the *Board of Trade Journal* of February 10, 1961.

Footnotes to Tables

(a) The periods covered by the index numbers consist of either four or five weeks, each quarter being divided into three 'monthly' periods of four, four and five weeks respectively. The period covered by February 1963 sales was the four weeks from January 27, 1963 to February 23, 1963, the corresponding period in 1962 was from January 28, 1962 to February 24, 1962. As the figures are based on the value of sales, they are affected by price movements including changes in purchase tax.

(b) Includes figures for variety and other general stores which are not published separately.

(c) These descriptions are based on 1957 turnover groupings. Large denotes shops with sales of £100,000 and over in 1957. Medium denotes shops with sales of £15,000 and under £100,000 in 1957. Small denotes shops with sales of under £15,000 in 1957.

(d) These index numbers do not allow for chemists' receipts under the National Health Service, which are as far as possible excluded by contributors in their returns.

(e) Includes radio and electrical goods shops and radio and cycle shops, cycle shops, perambulator shops.

(f) See Note (ii) above.

(g) Including the bakery departments of co-operative societies.

(h) Excluding the bakery departments of co-operative societies, which are included in the estimate for grocers.

Analysis of Man-made Fibre Production in 1962

THE TOTAL WEIGHT of man-made fibre produced in the United Kingdom in 1962 was the highest yet recorded, 10 per cent. more than in 1961 and 6 per cent. more than in 1960, hitherto the record year.

Compared with 1961 total output of synthetic (nylon, etc.) staple fibre and continuous filament yarn was 25 per cent. more; within this total, output of synthetic continuous filament was 30 per cent. more and output of staple fibre 18 per cent. more. The synthetic fibres accounted for 29 per cent. of the whole of production of man-made fibres in 1962, compared with 26 per cent. in the previous year.

Production of other, that is non-synthetic, man-made fibres (rayon, etc.), was 5 per cent. more than a year earlier but 3 per cent. less than in 1960: output of continuous filament yarn was little more than in 1961 but output of staple fibre was 9 per cent. more. Within the staple fibre total, output of viscose staple was 6 per cent. more than a year earlier and output of acetate and triacetate staple fibre 34 per cent. more.

Exports of man-made fibres increased sharply in 1962: the value of exports of continuous filament yarn (singles) at £23·7 million was 34 per cent. more than in 1961; the value of exports of cut staple fibre at £9·0 million was 20 per cent. more.

The table below gives a breakdown by type of fibre of production of man-made fibres in 1962 compared with selected previous years – the figures for 1955 and 1959 are unofficial estimates published in the American *Textile Organon* and may not be strictly comparable with the figures for later years.

Man-made Fibre Production
(Million lb. 'delivered weight' basis)

Year	Continuous filament yarn		Staple fibre		Total	
	Synthetic (nylon, etc.)	Other (rayon, etc.)	Synthetic (nylon, etc.)	Other (rayon, etc.)	Synthetic (nylon, etc.)	Other (rayon, etc.)
1955 (a)	30·0	202·6	10·5	228·8	40·5	431·4
1959 (a)	58·2	177·4	29·7	249·4	87·9	426·8
1960	82·1	186·5	52·3	271·2	134·4	457·7
1961	87·5	174·5	58·4	247·3	145·9	421·8
1962	114·0	176·8	68·8	267·5	182·9	444·3

Analysis – Continuous Filament Yarn

	1955 (a)	1959 (a)	1960	1961	1962
Viscose (b)	202·6	177·4	141·6	121·0	123·3
Acetate and triacetate			44·9	53·5	53·5
Synthetics	30·0	58·2	82·1	87·5	114·0
Total – continuous filament yarn	232·6	235·6	268·6	262·0	290·8

Analysis – Staple Fibre

	1955 (a)	1959 (a)	1960	1961	1962
Viscose	228·8	249·4	256·6	229·4	243·5
Acetate and triacetate			14·6	17·9	24·0
Synthetics	10·5	29·7	52·3	58·4	68·8
Total – staple fibre	239·3	279·1	323·5	305·7	336·3

(a) *Textile Organon* estimates.
(b) The viscose figures include a very small amount of non-synthetics not separately specified.

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Hire Purchase Business in February

NEW HIRE purchase and other instalment credit business of hire purchase finance companies and household goods shops appears to have been maintained in February, after allowing for normal seasonal influences, at about the level to which it declined in January. As in that month the exceptionally severe weather probably tended to depress the figures. Total instalment debt decreased by £6 million during the month to £872 million.

Household Goods Shops

Sales on hire purchase and other instalment credit terms by household goods shops, which declined in January rather more than might be expected under seasonal influences, were much the same in February as in January when allowance is made for the normal seasonal pattern. Both main groups – furniture and furnishings shops and the hardware, radio, electrical, etc., group – shared this experience.

Sales on credit by household goods shops as a whole in February showed little change compared with a year earlier, a rise in the hardware, radio, electrical, etc., section of about one-tenth being offset by a similar decline in furniture and furnishings shops. Instalment debt outstanding to household goods shops in total declined slightly during the month to £313 million.

Debt

Table 1—Estimates of Hire-Purchase and Other Credit Instalments Outstanding

END OF PERIOD — £ million

	Year	Jan.	Feb.	March	April	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
Owed directly to household goods shops	1961	321	315	312	308	306	306	306	305	303	303	303	309
	1962	304	301	296	293	292	294	295	297	300	304	308	318
	1963	316	313										
Owed directly to finance houses	1961	607	607	622	631	643	651	662	660	650	639	628	618
	1962	606	598	592	590	593	593	597	593	590	583	575	569
	1963	562	559										
Total of above	1961	928	922	934	939	949	957	968	965	953	942	931	927
	1962	910	899	888	883	885	887	892	890	890	887	883	887
	1963	878	872										

Table 2—Hire-Purchase and Other Instalment Credit Extended and Repaid

£ million

Period	New Credit Extended: For household goods	New Credit Extended: For other durable goods	New Credit Extended: Total	Repayments	Change in Debt
1958	292	363	655	547	+108
1959	394	523	917	624	+293
1960	301	519	820	734	+ 86
1961	283	515	798	806	— 8
1962	301	437	738	778	— 40
1959 1st Quarter	85	118	203	147	+ 56
2nd Quarter	94	152	246	155	+ 91
3rd Quarter	99	132	231	154	+ 77
4th Quarter	116	121	237	168	+ 69
1960 1st Quarter	87	152	239	179	+ 60
2nd Quarter	73	156	229	182	+ 47
3rd Quarter	64	117	181	185	— 4
4th Quarter	77	94	171	188	— 17
1961 1st Quarter	64	136	200	201	— 1
2nd Quarter	69	164	233	210	+ 23
3rd Quarter	72	126	198	202	— 4
4th Quarter	78	89	167	193	— 26
1962 1st Quarter	63	104	167	206	— 39
2nd Quarter	69	128	197	198	— 1
3rd Quarter	79	114	193	190	+ 3
4th Quarter	90	91	181	184	— 3

Finance Houses

New credit advanced by hire purchase finance companies was about the same in February as in January and around one-eighth less than a year ago, compared with a decline of 5 per cent. in January. The exact seasonal pattern of finance house business is by no means clear; in both 1961 and 1962, February new credit was higher than in January, but in the former year this was probably attributable to the extension of the statutory maximum two-year repayment term to three years towards the end of January. In the preceding three years there was some decline between the two months. The seasonal pattern of the car market is thought to have changed recently and in view of the uncertainties it is not possible to say more than that the underlying trend of business in February was broadly in line with January.

Credit for used cars recovered under seasonal influences from the low December and January rates but remained, as in January, around 15 per cent. less than a year ago. Credit for new cars remained higher than a year earlier but the rise, around one-tenth, was less than the increases of one-quarter or more recorded in January and previous recent months. For most other types of goods new credit extended remained lower than last year, motor cycles being outstanding with a fall approaching 40 per cent. Direct instalment debt owing to finance houses declined slightly during February to £559 million. Amounts owing by retailers under block discounting arrangements were unchanged at £52 million.

(*Continued on next page*)

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Hire Purchase (*Continued*)

New Business of Household Goods Shops

Table 3—Index Numbers of Value of Goods Sold on Hire-Purchase and Other Instalment Credit per Week

Average of 1957 = 100

	Year	Jan.	Feb.	March (a)	April	May	June (a)	July	Aug.	Sept. (a)	Oct.	Nov.	Dec. (a)
Furniture and Furnishing Shops: Total (multiple and independent retailers, co-operative societies)	1961	97	90	98	102	104	104	121	102	106	117	126	132
	1962	98	96	94	100	105	104	115	108	113	124	131	140*
	1963	93	87										
of which: Multiple retailers (b)	1961	98	95	99	106	108	114	125	106	110	121	131	138
	1962	103	100	94	102	106	114	126	115	118	131	139	151
	1963	101	96										
Independent retailers	1961	94	83	92	95	95	92	109	94	99	109	115	122
	1962	89	90	89	93	97	89	97	92	99	108	113	122
	1963	81	75										
Hardware, Radio, Electrical Goods, Cycle and Perambulator Shops: Total (multiple and independent retailers, co-operative societies, gas and electricity showrooms)	1961	92	96	97	99	104	104	125	96	99	105	105	113
	1962	89	89	93	88	98	116	118	112	116	120	127	136
	1963	97	97										
of which (multiple and independent): Radio and electrical goods, cycle and perambulator shops	1961	72	67	64	72	74	72	88	68	69	78	77	93
	1962	68	61	60	62	66	78	79	78	75	82	86	106
	1963	71	67										
Department Stores: Household goods departments	1961	133	119	117	123	124	111	156	109	119	141	143	146
	1962	142	114	111	117	120	121	148	122	134	153	160	155
	1963	138	109										
Total, Household Goods Shops	1961	97	95	99	102	106	105	125	100	104	113	117	124
	1962	97	94	94	95	103	111	119	111	116	124	131	139
	1963	98	93										

(a) Average of five weeks.
(b) Multiple retailers are defined as those having ten or more branches.
* Revised figure.

New Business of Finance Houses

Table 4—Index Numbers of New Hire-Purchase and Other Instalment Credit Extended Direct to Hirers per Calendar Month

Monthly average of 1957 = 100

	Year	Jan.	Feb.	March	April	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
Private cars – new	1961	116	173	234	206	241	224	242	139	111	114	115	83
	1962	124	145	168	169	238	201	199	145	137	158	148	102
	1963	159	161										
Private cars – used	1961	131	179	204	183	218	201	195	143	110	118	108	79
	1962	96	121	134	138	179	162	169	152	126	133	111	78
	1963	81	104										
Commercial motor vehicles – new and used	1961	195	212	246	221	238	235	240	163	142	154	144	110
	1962	155	157	171	157	185	161	160	130	127	143	136	94
	1963	122	123										
Motor cycles, side-cars, power assisted cycles – new and used	1961	71	108	171	160	184	161	160	135	85	73	59	37
	1962	43	64	78	82	106	95	96	82	68	66	51	33
	1963	30	40										
Caravans – new and used	1961	74	137	220	219	242	248	226	188	146	159	123	80
	1962	95	127	172	175	222	205	217	198	160	153	115	76
	1963	74	98										
Farm equipment and tractors	1961	128	123	195	195	195	217	201	169	132	150	128	79
	1962	93	105	143	110	112	116	141	151	139	153	126	75
	1963	90	86										
Industrial and building plant and equipment	1961	251	239	312	311	360	315	346	233	239	272	263	211
	1962	254	300	337	266	302	254	286	212	216	235	209	181
	1963	233	217										
Household goods (a)	1961	138	114	126	120	136	123	133	115	107	118	119	104
	1962	118	98	90	88	110	105	120	115	107	120	117	110
	1963	128	96										
All goods (including goods not shown above)	1961	144	168	207	190	220	204	207	150	123	131	125	96
	1962	121	133	147	142	179	160	168	143	127	140	126	94
	1963	115	116										

(a) Includes pedal cycles and some mopeds; mopeds are generally classified with motor cycles but some returns do not distinguish mopeds from pedal cycles.

(*Continued on next page*)

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Hire Purchase (*Continued*)

Notes on Statistics

The statistics in this article are derived from monthly returns made to the Board of Trade by two types of contributors – household goods shops and finance houses. The household goods shops give the value of the goods sold on credit, which includes the initial deposits or down payments as well as the credit extended (i.e., the balance of the cash price together with the credit charges), during the period. From these figures the index numbers of credit sales per week given in Table 3 are derived. These figures include all household goods sold on credit by the retailers concerned, whether they themselves finance the credit extended or whether this is financed by another organization, for example a finance house. The contributors comprise electricity and gas showrooms, co-operative societies, department stores and multiple and independent retailers. Clothing shops, mail-order houses and credit traders calling on customers for orders are not included.

The contributing finance houses, on the other hand, send in figures of the value of new credit extended during the month. Down payments on the articles are not included. These figures form the basis of Table 4. In so far as goods sold by the household goods shops, whose credit sales comprise Table 3, are financed by direct agreements made between a finance house and the buyer, the new credit extended would also figure in Table 4, as well as being part of the value of sales covered by Table 3.

Both types of contributor also return monthly totals of instalments outstanding to them at the end of each period. These figures are brought together in Table 1. The estimates of debt owed direct to household goods shops relate to agreements entered into between customers and retailers. These estimates include the amounts outstanding on agreements which are subsequently discounted by finance houses. The debt outstanding on agreements made direct between finance houses and retail customers is, however, excluded from the debt owed to shops and included in the total of instalments owed to finance houses. This total does not include the amounts which have been discounted with finance houses. Included with finance houses are some manufacturers who finance credit sales of their own products.

Table 2 gives total credit transactions of finance houses and household goods shops combined. For further details see Economic Trends No. 95, September 1961. The figures were revised in the *Board of Trade Journal* of August 17, 1962, in the light of more comprehensive information about deposits on household goods derived from the Family Expenditure Surveys.

The repayment figures are derived from the new business and change in debt outstanding reported by contributors and thus necessarily include sums written off as irrecoverable and lump sum settlements of outstanding balances in addition to normal weekly, monthly or other periodical instalments.

Tables 1, 3 and 4 are based upon estimates derived from the Census of Distribution for 1957. Preliminary results of the 1961 Census of Distribution show that many cycle and radio shops are now classed as radio shops owing to a shift in the balance of their sales. Consequently, the category 'cycle shops, cycle and radio shops, perambulator shops', which has hitherto been distinguished in Table 3, is now combined with the radio and electrical goods shops pending the examination of the current kind of business of contributors which will be part of the re-basing of these monthly statistics on the Census for 1961.

The estimates in £'s million of goods sold on hire-purchase and other instalment credit during 1957, on which Table 3 is based, are: furniture and furnishings shops, 138·32; of which multiple retailers, 58·76 and independent retailers, 59·80; hardware, radio and electrical goods shops, electricity and gas showrooms, cycle and perambulator shops, 153·92; of which radio and electrical goods, cycle and perambulator shops, 98·80; department stores (household goods departments), 22·36. Total, household goods shops, 314·60.

The estimates in £'s million of the amount of new hire-purchase and other instalment credit extended in 1957 by finance houses, on which Table 4 is based, are: private cars (new), 55·96 and (used), 122·36; commercial motor vehicles, 46·25; motor cycles, etc., 32·33; caravans, 7·03; farm equipment and tractors, 7·53; industrial and building plant and equipment, 17·02; household goods (including pedal cycles), 49·01; and all goods, 350·57.

EXPORT DRIVE

For trade with the East consult

THE CHARTERED BANK

(Incorporated by Royal Charter, 1853)

The Bank, its subsidiaries and associates are the largest British banking group in the East, having over 200 branches in twenty-seven territories as shown in the map above.

THE CHARTERED BANK
Head Office: 38 Bishopsgate, London, E.C.2.
Manchester Office: 52 Mosley Street, Manchester, 2.
Liverpool Office: 28 Derby House, Exchange Buildings, Liverpool, 2.

THE EASTERN BANK LIMITED
Head Office: 2 & 3 Crosby Square, London, E.C.3.

ASSOCIATED BANKS: ALLAHABAD BANK LTD. (INCORPORATED IN INDIA) • THE IRANO BRITISH BANK (INCORPORATED IN IRAN)

United Kingdom Tourist Receipts Double in Eight Years

FINAL estimates for 1962 give a total of 1,956,000 oversea visitors to the United Kingdom, a 7 per cent. increase compared with 1961. It is estimated that 1,142,000 visitors came by air and 814,000 by sea.

Although the increase in the number of visitors from most countries was not as large as in previous years, the number of United States' nationals showed an increase of 7 per cent., whereas they showed a decrease in the previous year compared with 1960.

These estimates of the number of vistiors do not include visits by residents in the Irish Republic nor aliens in transit through the United Kingdom. The steady decline in the latter traffic in 1961, which showed a 33 per cent. decrease compared with 1960, appears to have halted. The figure for 1962 was only 7 per cent. less than that for 1961.

Estimates of tourist expenditure in the United Kingdom for the year 1962 are put at £220 million, an increase of £14 million, or 7 per cent., compared with the estimate for 1961.

It is interesting to note that during a period of eight years total receipts from tourism in the United Kingdom are estimated to have more than doubled. Estimated expenditure in 1954 was £96 million.

Note on Estimates

The estimates relate to tourists and business visitors who intend to stay in the United Kingdom for periods up to a year.

Estimates of the number of visitors are built up from several sources of information. Details of the number of foreign tourists classified by nationality are obtained from Immigration Officers' records and, in their case, the number is to be interpreted as the number of visits: for repeated visits by the same person, each visit is likely to be counted in the totals.

Estimates of receipts are made with the help of the British Travel and Holidays Association by combining the numbers of visitors with estimates of their average expenditure per head in the United Kingdom. These estimates exclude fares to and from the United Kingdom.

Oversea Visitors to the United Kingdom (a)

Table 1 (Percentage change since previous year in brackets) Thousands

Nationals of	1960	1961	1962	4th Quarter 1961	4th Quarter 1962
Europe:					
Belgium	65·1 (+27)	75·0 (+15)	80·6 (+ 7)	10·1 (+ 7)	10·5 (+ 4)
Denmark	25·6 (+16)	28·5 (+11)	29·5 (+ 3)	5·1 (+16)	4·9 (— 4)
France	187·8 (+16)	219·7 (+17)	241·1 (+10)	28·3 (+16)	30·2 (+ 7)
Germany	167·0 (+13)	180·5 (+ 8)	193·2 (+ 7)	24·3 (+13)	25·5 (+ 5)
Italy	53·9 (+17)	57·5 (+ 7)	59·2 (+ 3)	10·9 (+13)	11·4 (+ 4)
Netherlands	101·1 (+16)	105·3 (+ 4)	111·3 (+ 6)	21·2 (+16)	21·8 (+ 3)
Norway	19·4 (+16)	21·5 (+11)	21·2 (— 2)	4·1 (+ 9)	4·2 (+ 3)
Sweden	44·4 (+14)	49·4 (+11)	51·1 (+ 3)	6·8 (+12)	6·9 (+ 2)
Switzerland	37·4 (+13)	41·6 (+11)	44·1 (+ 6)	7·3 (+15)	7·6 (+ 5)
Other Western Europe (b)	61·0 (+14)	68·6 (+12)	74·4 (+ 8)	13·3 (+19)	13·9 (+ 5)
Total Western Europe	762·8 (+16)	847·6 (+11)	905·6 (+ 7)	131·3 (+14)	136·9 (+ 4)
Other European Countries	14·2 (+21)	18·2 (+28)	17·7 (— 3)	2·9 (— 4)	3·7 (+27)
Total Europe	776·9 (+16)	865·8 (+11)	923·4 (+ 7)	134·2 (+14)	140·6 (+ 5)
United States	426·5 (+20)	423·8 (— 1)	454·7 (+ 7)	64·2 (+ 9)	66·0 (+ 3)
Latin America (c)	25·6 (+40)	28·7 (+12)	30·0 (+ 4)	4·8 (+ 9)	4·9 (+ 2)
South Africa	N/A	N/A	19·8 (e)	N/A	5·0
Other Non-European Countries	48·6 (+38)	54·3 (+12)	59·2 (+ 9)	10·5 (+ 1)	12·2 (+16)
Doubtful	7·9 (+11)	8·1 (+ 1)	7·8 (— 4)	1·6 (— 1)	1·6 (— 1)
TOTAL ALIEN NATIONALS	1,285·5 (+18)	1,380·8 (+ 7)	1,494·9 (+ 8)	215·4 (+11)	230·4 (+ 7)
TOTAL COMMONWEALTH CITIZENS (d)	383·8 (+25)	443·0 (+15)	460·7 (+ 4)	93·2 (+16)	86·6 (— 7)
GRAND TOTAL	1,669·3 (+20)	1,823·8 (+ 9)	1,955·5 (+ 7)	308·6 (+13)	317·0 (+ 3)
of which:					
Aliens – Business Visitors	252·9 (+17)	279·9 (+11)	307·2 (+10)	76·2 (+16)	78·6 (+ 3)

(a) Excluding visitors who are resident in the Irish Republic and aliens in transit.
(b) Comprising: Portugal, Austria, Greece, Turkey, Spain, Finland and Yugoslavia.
(c) Comprising: Central America and Mexico, Chile and Peru, Brazil, Argentina and other South American countries.
(d) Estimated figures: Commonwealth citizens resident in Commonwealth countries and in other countries.
(e) From May 31. Prior to this South Africans were Commonwealth citizens.

Estimated Expenditure of Oversea Visitors in the United Kingdom (a)

Table 2 (Percentage change since previous year in brackets) £ million

Area	1960	1961	1962	4th Quarter 1961	4th Quarter 1962
North America	69·2	70·1 (+ 1)	76·0 (+ 8)	11·8 (+ 9)	11·9 (+ 1)
Latin America	5·7	6·4 (+12)	6·6 (+ 3)	1·1 (+ 8)	1·1 (— 1)
Western Europe	36·8	41·0 (+11)	43·5 (+ 6)	7·6 (+15)	7·8 (+ 2)
Other Non-Sterling Countries	9·0	10·5 (+17)	11·2 (+ 7)	2·0 (+ 4)	2·2 (+ 9)
Total Non-Sterling Countries	120·6	128·0 (+ 6)	137·4 (+ 7)	22·5 (+11)	23·0 (+ 2)
Sterling Area	67·4	78·2 (b) (+16) (b)	82·7 (+ 6)	13·9 (b) (+15) (b)	13·8 (— 1)
Total	188·0	206·2 (b) (+10) (b)	220·1 (+ 7)	36·4 (b) (+12)	36·8 (+ 1)
Of which:					
Commonwealth Citizens	93·7	107·7 (b) (+15) (b)	109·6 (+ 2)	20·1 (b) (+15) (b)	18·4 (— 8)

(a) Including an allowance for the expenditure of visitors resident in the Irish Republic and aliens in transit.
(b) Revised figures.

Retail Sales in Northern Ireland in January

STATISTICS prepared by the Ministry of Commerce show that the total value of retail sales in Northern Ireland was 4 per cent. higher than a year earlier. This equals the average percentage increase in the fourth quarter of 1962.

Clothing and footwear shops showed an increase of 10 per cent. which compared favourably with the average percentage increase of 6 per cent. for these shops in the final quarter of 1962. Sales by food shops showed an increase of 6 per cent. while household goods shops were unchanged compared with a year earlier.

A brief description of these statistics was given in the *Board of Trade Journal* on March 18, 1960 (page 608). Further details may be had on application to Northern Ireland Index of Retail Sales, Room 55, Ministry of Commerce, Chichester Street, Belfast. (Tel. Belfast 28271, Ext. 112).

Index Numbers of Value of Sales per Week (1959 = 100) and Percentage Changes Compared with a Year Earlier.

	All kinds of business		Food shops		Clothing and footwear shops		Household goods shops		Other shops	
		%		%		%		%		%
1961 Year	107	+5	108	+7	108	+4	94	Nil	109	+4
1962 Year	110	+3	113	+5	108	Nil	97	+3	110	+1
1962 First quarter	99	Nil	109	+4	87	—9	91	+3	93	Nil
Second quarter	109	+4	113	+6	110	—1	98	+6	105	+3
Third quarter	106	+2	110	+5	98	+1	94	—2	108	—1
Fourth quarter	125	+4	120	+6	135	+6	104	+5	134	+2
August	108	+2	113	+5	100	+1	101	—2	110	—1
September	105	+1	110	+4	100	Nil	90	—2	107	—1
October	111	+4	113	+7	117	+6	102	+3	105	Nil
November	122	+6	119	+6	139	+19	107	+5	119	+13
December	142	+5	126	+5	150	+4	103	+12	177	+4
1963 January	101	+4	113	+6	94	+10	87	Nil	90	—2

Northern Ireland Index of Industrial Production

THE PROVISIONAL index of industrial production for Northern Ireland for January 1963, prepared by the Ministry of Commerce, is 122 (1958 = 100). This is four points lower than the index for December 1962, but it is five points higher than the index for January 1962.

The index of the main industrial groups in January 1963, with the increase or decrease on January 1962, shown in brackets, are: textiles 118 (+7 points); clothing 105 (+1); engineering and metals 99 (+2); food, drink and tobacco 112 (—8); timber and furniture 90 (—3); other manufacturing industries 198 (+3); construction 126 (+24); gas, electricity and water 190 (+22).

Business Monitor Production Series

THE FOLLOWING titles and issues of Business Monitor Production Series are now available, and copies may be obtained by annual subscription from H.M. Stationery Office, P.O. Box 569, London, S.E.1:

Monthly at £1 a year, post free:
Salt for November 1962
Gramophone Records for January 1963.
Industrial Fork-lift and Works Trucks and Tractors for January 1963.
Locomotives for January 1963.
Motor Cycles, Three-wheel Vehicles, Pedal Cycles and Parts for January 1963.
Refrigerating Machinery for January 1963.
Wood Chipboard for January 1963.
Cars and Commercial Vehicles for February 1963.

Quarterly at 7s. 6d. a year, post free:
Brushes and Brooms for October-December 1962.
Scientific and Industrial Instruments and Apparatus for October-December 1962.

Market Research in the EEC

A new service providing a constant, continuous picture of the marketing trends in each member country of the EEC is offered to subscribers to *Marketing Guide to Europe*, the first of a new series of monthly market research intelligence reports issued by European Research Consultants Ltd., of 125 Pall Mall, London, S.W.1. Each report will show the economic background of the country concerned and provide information on its basic marketing areas. It will also analyse the sales of a large number of consumer and durable goods for each country. The reports may be ordered individually or on a subscription basis at £5 5s. per issue from European Research Consultants Ltd., at the above address.

Bulletin for Industry

Aspects of the Budget accounts such as 'above and below the line', surplus and deficits, and the net borrowing requirement, are discussed in an article on 'The Exchequer Accounts and the Budget' in the current issue of the *Bulletin for Industry*. It goes on to consider the accuracy of the estimates and the use of the Budget as an instrument of economic policy. Copies free from Publications Division, Central Office of Information, London, S.E.1.

Shoe Repairers' Congress

The third International Shoe Repairers' Congress and Exhibition at Blackpool from October 22 to 26 will feature a comprehensive collection of repair machinery, materials, supplies and services.

Registrations of British and Foreign Films

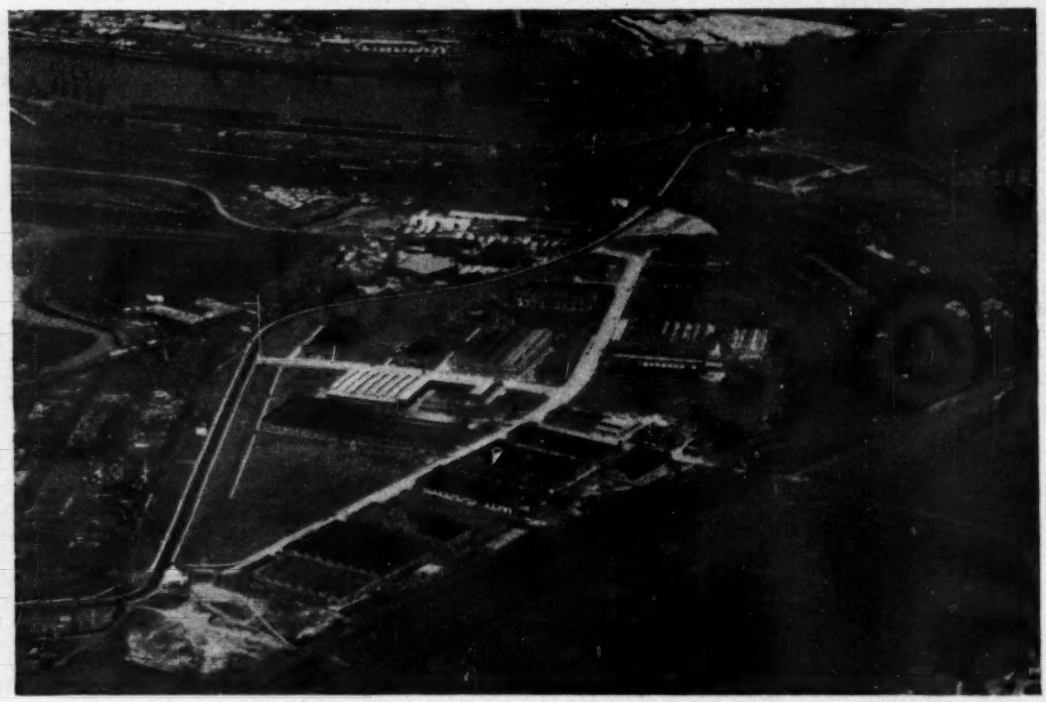
The following are details of films registered by the Board of Trade under the Films Act, 1960, during the week ended Friday, March 29, 1963.

Title of Film	Registered in the Name of	Maker's Name	Registered No.	Playing Time (minutes)	Date of Registration
		BRITISH			
Mining Review No. 8 – 16th Year	Data Film Distributors Ltd.	National Coal Board	Br/E 28354	10	March 27
Pathe Pic Series 430-442:					
Pathe Pic No. 434	Warner-Pathe Distributors Ltd.	Associated British Pathe Ltd.	Br/E 28359	9	March 28
Crazy Days	British Lion Films Ltd.	Doverton Films Ltd.	Br/NQ 28361	34	March 28
Pathe News 63-25	Warner-Pathe Distributors Ltd.	Associated British-Pathe Ltd.	Br/E 28008	9	March 29
Pathe News 63-26	" "	" "	Br/E 28009	9	March 29
Movietone News 1763A	Twentieth Century-Fox Film Co. Ltd.	British Movietonews Ltd.	Br/E 27955	8	March 29
Movietone News 1764	"	" "	Br/E 27956	7	March 29
		FOREIGN			
Derby Daze	Paramount Film Service Ltd.	Paramount Pictures Corporation	F 28346	11	March 25
Blue Ribbon Champions	" "	" "	F 28347	9	March 25
Journey to Understanding	" "	" "	F 28348	19	March 25
Taras Bulba	United Artists Corporation Ltd.	Hecht-Curtleight Productions Inc.	F 28349	123	March 25
The Courtship of Eddie's Father	Metro-Goldwyn-Mayer Pictures Ltd.	Euterpe Incorporated	F 28350	118	March 26
Samson	Compton-Cameo Films Ltd.	Cineproduzioni Associate	F 28351	96	March 26
Fury of the Wastelands	Compton Films Ltd.	Hungarofilm	F 28352	59	March 26
Escapade in Florence	Walt Disney Productions Ltd.	Walt Disney Productions	F 28353	83	March 26
Antigone	Gala Film Distributors Ltd.	Norma Film Productions Inc.	F 28355	83	March 28
Arturo's Island	" "	Titanus Metro	F 28356	92	March 28
The President	" "	Jacques Bar-Terra Film-Fides	F 28357	107	March 28
Behind Closed Doors	" "	Cineriz	F 28358	102	March 28
Boccaccio 70	Twentieth Century-Fox Film Co. Ltd.	Co-Production of Concordia Cinematografica.	F 28360	150	March 28

The playing time of the film 'Diferente' (F 27882) registered on November 13, 1962, has been amended to 90 minutes.
Where the title appears in italics the film forms part of a series. Br/E indicates that the film is a British quota film. Br/NQ indicates that the film is British but does not qualify for the exhibitors' quota.

MODERN GOVERNMENT-OWNED FACTORIES FOR RENTAL

THE FOLLOWING government-owned factories, fully equipped with all essential services and conveniently sited for labour and transport requirements, are available for rental on industrial estates in England, Scotland and Northern Ireland. The factories in England and Scotland are all in development districts and suitable projects may qualify for financial assistance under the Local Employment Act, 1960. Assistance in the form of grants towards the cost of purchasing or transferring plant and machinery may also be available, through the Ministry of Commerce, to industrial undertakings creating new employment in Northern Ireland, preference being given to projects which provide a good percentage of male employment.



Aerial view of the Bede Industrial Estate at Jarrow with its connections to the port (*top*) and the railway (*right*).

NORTHERN IRELAND

Location	Total Area sq. ft.	Height to Truss	Distance	
			From Belfast Docks miles	From Airport miles
Dunmurry Factory Estate (Near Belfast)				
*Dunmurry No. 2	18,329	12′ 0″	6	10
*8	19,450	12′ 0″	6	10
*5	30,000	13′ 6″	6	10
*3/4	50,000	16′ 0″	6	10
Dundonald, Belfast	70,000	17′ 0″	6	17
*Armagh	18,000	13′ 6″	37	30
Ballymena	30,000	12′ 6″	28	19
Ballymoney	18,000	13′ 6″	47	35
*Coleraine	18,000	12′ 6″	55	43
*Downpatrick	19,000	12′ 6″	22	33
*Portadown	52,600	14′ 0″	27	19

*Available now.

Rents are based on current market values, which at present range from 1s. 6d. to 2s. 3d. per square foot. Inquiries should be addressed to the Ministry of Commerce, Chichester House, Belfast, 1 (Belfast 28271) or to the Ulster Office, Northern Ireland Government, 13 Regent Street, London, S.W.1. (Whitehall 0651).

ENGLAND

Industrial Estate	Total Area (sq. ft.)	Office Space (sq. ft.)	Clear Height
Bede, Jarrow (six miles east of Newcastle-upon-Tyne)	(1) 49,187	8,537	12′ 6″ to 15′ 0″
	(2) 23,486	3,017	11′ 3″ to 16′ 6″
Skelton, Cleveland (11 miles east of Middlesbrough)	15,616	3,680	12′ 0″ to 14′ 6″

The undermentioned factory, which is being built in advance of requirements, is expected to be ready by August, 1963.

Location	*Total Area* (sq. ft.)	*Office Space* (sq. ft.)	*Clear Height*
Crook, Co. Durham	16,425	1,425	14′ 6″ to 23′ 6″

Building plans of six further 'advance factories' (14,000 to 50,000 sq. ft.), to be started shortly at Aycliffe, Blaydon, Cramlington, Chester-le-Street, Hartlepools and Sunderland, are also available for inspection. Rents are assessed at current market value and at present range from 2s. 6d. to 4s. per square foot. Inquiries should be addressed to The Secretary, Industrial Estates Management Corporation for England, Team Valley, Gateshead-on-Tyne 11, Co. Durham.

SCOTLAND

Estate		Area (sq. ft.)	Height to Truss	Distance from Glasgow (miles)	
Carfin		26,500	13′ 0″	12	
Carntyne		22,102	12′ 0″	3	
Dundee	*(1)	129,651	12′ 0″	83	
	(2)	31,530	14′ 0″	83	North light roof
Hillington	*(1)	10,920	Various	4	
	(2)	25,508	12′ 0″	4	
	*(3)	34,492	12′ 0″	4	
	(4)	2,995	12′ 0″	4	
	(5)	21,280	12′ 0″ and 18′ 0″	4	
	(6)	131,855	22′ 0″	4	Crane rails Rail-served North light roof
Newhouse		35,315	12′ 0″ to 17′ 9″	14	Crane rails
Port Glasgow		10,658	12′ 0″	17	
Queenslie	*(1)	5,202	12′ 0″	4	North light roof
	(2)	5,735	12′ 0″	4	North light roof
Thornliebank	(1)	5,275	12′ 0″	5	
	(2)	5,419	12′ 0″	5	

*Available now.

(*Continued on next page*)

Government-owned Factories for Rental (*Continued*)

The undernoted buildings on Donibristle Estate in Fife are being adapted for industrial use. Gas is not available at present. Rents range from 1s. 6d. to 2s. 4d.

Estate		Area (sq. ft.)	Height to Truss	Distance from Glasgow (miles)
Donibristle	(1)	64,019	14′ 0″ and 19′ 6″	43 Crane rails
	(2)	26,865	12′ 0″ and 18′ 0″	43 Flat roof
	(3)	11,808	12′ 0″	43 North light roof
	(4)	8,700	12′ 0″	43
	(5)	9,412	Various	43 Flat roof plating shop
	(6)	3,420	9′ 6″	43
	(7)	11,518	———	43 Two storied office block
	(8)	4,800	30′ 0″	43
Advance Factories under construction:				
(a) on Industrial Estates:				
Newhouse		50,000	14′ 0″	14
Queenslie		50,280	14′ 0″	4
Vale of Leven		50,000	14′ 0″	16
(b) on individual sites:				
Blackwood		21,013	14′ 0″	23
Cumnock		15,515	12′ 0″	36
Cowdenbeath		21,140	12′ 0″	45
Sanquhar		15,500	12′ 0″	48
Shotts	(1)	28,340	14′ 0″	26
	(2)	23,140	12′ 0″	26
Stranraer		10,000	Not decided	84
Whitburn		50,000	Not decided	22

Rents of the above factories, excluding those at Donibristle, which are assessed by the District Valuer at current market value, range from 2s. 0d. to 3s. 9d. per sq. ft. Inquiries should be addressed to the General Manager, Industrial Estates Management Corporation for Scotland, 3 Woodside Place, Glasgow, C.3.

Patents Endorsed 'Licences of Right'

UNDER SECTION 35 of the Patents Act, 1949, the undermentioned patents were endorsed 'Licences of Right' on the dates specified:

NUMBER	GRANTEES	SUBJECT-MATTER
	March 11, 1963	
825,515	Lilliston Implement Co.	Peanut harvester.
758,918	Dunlop Rubber Co. Ltd.	Reversible sponge rubber cushions.
857,660	Dunlop Rubber Co. Ltd.	Reversible cushions.
	March 12, 1963	
828,244	FIAT Societa per Azioni	Elastic suspension device for motor vehicle engines.
859,461	FIAT Societa per Azioni	Electric starting device for internal combustion engines.
	March 13, 1963	
707,165	Dunlop Rubber Co. Ltd.	Pneumatic valve.
813,284	Dunlop Rubber Co. Ltd.	Quick-release pipe coupling.
	March 18, 1963	
821,751	Girodin, M. G. H.	Conversion of the movement of pistons into rotary movement.
846,354	SIRA Societa Industriale Automotoristiche. Ricerche	Epicyclic change-speed gearing for motor vehicles.
	March 19, 1963	
893,783	Weiss, J.	Production of atomic energy by a catalytic method.

Any person who claims that the patentee at the time of endorsement of any of the above patents was precluded by a contract in which the claimant is interested from granting licences under the patents may apply for cancellation of endorsement on Patents Form No. 45 within two months after the date of endorsement.

GORDON GRANT,
Comptroller-General.

The Patent Office.

New and Revised British Standards

SOME RECENT British Standards published, are listed below. Copies are obtainable from the British Standards Institution, British Standards House, 2 Park Street, London, W.1.

B.S.	Particulars	Price
		s. d.
	Handbook No. 17 – School catering equipment and furniture 1963 (Special Issue)	15 0
448	Electronic-valve bases, caps and holders: Section B2D B2D/1.1 B2D base	2 0
	Section B9D B9D/1.1 B9D base B9D B9D/2.1 B9d base pin position gauge.	
	Section B12F B12F/1.1 B12F base. B12F B12F/1.2 B12F base pin position gauge	2 0
1428	Microchemical apparatus 1428 Part L1 : 1963 Micro-extraction apparatus.	3 0
1748	Methods for the analysis of copper alloys 1748 Part 9 : 1963 Determination of zinc.	4 0
3565 : 1963	Brake shoes and brake shoe holders for railway rolling stock	12 6
3586	Electrical signals for telemtry and control 3586 Part 1 : 1963 Analogue direct current signals	3 0
3587 : 1963	Calcium chloride (technical)	4 0
3588 : 1963	Insulated food containers with integral insulation (including insulated tea urns)	6 0
3590 : 1963	Sprayed asbestos insulation	4 6
3595 : 1963	Life-saving jackets	6 0
NEW BRITISH STANDARDS : AUTOMOBILE SERIES:		
AU 1 : 1963	Dimensions of 2-2½ in. diameter fifth wheel king pin for use with semi-trailers	1 6
AU 2 : 1963	Dimensions of 3½–4½ in. diameter fifth wheel king pin for use with extra heavy duty semi-trailers	1 6
AU 3 : 1963	Positions and heights for fifth wheel attachment	3 0
AU 4 : 1963	Dimensions of the palm type coupling for use with pressure braking systems on trailers and semi-trailers	2 6
AU 5 : 1963	Dimensions of a 'Contact' type coupling for vacuum and pressure braking systems on trailers and semi-trailers	2 0
AU 6 : 1963	Dimensions of engine mounting pads for distributor securing levers	1 6
AU 7 : 1963	Chart and colour code for vehicle wiring	3 0
AU 8 : 1963	Control board for use with generators up to and including 5½ in. diameter	1 6
AU 9 : 1963	Combined switch and control board for use with generators up to and including 5½ in. diameter	1 6
AU 10 : 1963	Combined switch and control board for use with generators up to and including 7 in. diameter	1 6
REVISED BRITISH STANDARDS		
156	Enamelled copper conductors (oleo-resinous enamel) 156 Part 3 : 1963 Round wire : Metric units.	7 6
282, 389 : 1963	Lead chromes and zinc chromes for paint	7 6
748 : 1963	Harmacytmeter counting chambers and dilution pipettes	6 0
903	Methods of testing vulcanized rubber 903 Part B15 : 1963 Determination of manganese	3 0
1019 : 1963	Photographic lenses : Definitions, methods and accuracy of marking	5 0
1231 : 1963	PVC-insulated cables for power switchgear wiring	5 0
1428	Microchemical apparatus: 1428 Part D2 : 1963 Washout pipettes	4 0
	1428 Part D4 : 1963 Capillary pipettes	4 6
1752 : 1963	Laboratory sintered or fritted filters	6 0
1844	Enamelled copper conductors 1844 Part 3 : 1963 Round Wire : Metric units	10 0
2482 : 1963	Timber scaffold boards	5 0
REVISED CODE OF PRACTICE:		
CP 331, 104 : 1963	Flues for gas appliances (up to 150,000 Btu/h rating)	12 6

Application for Cancellation of 'Licences of Right'

UNDER SECTION 36 of the Patent Act 1949, notice is hereby given that application has been made for the cancellation of the endorsement 'Licences of Right' on the following Patent.

NUMBER	GRANTEES	SUBJECT-MATTER
739,655	Hardy Spicer Ltd.	Universal joints.

Any person may give notice of opposition to the application by filing Patents Form No. 46 at the Patent Office, 25 Southampton Buildings, London, W.C.2, on or before April 27.

GORDON GRANT,
Comptroller-General.

The Patent Office.

GOVERNMENT PUBLICATIONS
required by customers in the West of England may be obtained quickly from
H.M. STATIONERY OFFICE, 50 FAIRFAX STREET, BRISTOL 1

Government Surplus Sales by Auction

Air Ministry

1963	Stores	Location	Auctioneers
April 24	72 timber huts, stoves and miscellaneous fittings.	Royal Air Force, Melksham, Wilts.	Thompson, Noad & Phipp, Clare House, 35 Market Place, Trowbridge, Wilts.
April 25	61 Nissen huts, 2 Seco huts, 22 temporary brick buildings, transformers, and other electrical equipment.	Royal Air Force Station, Ridgewell, Essex	Balls and Balls, Braintree, Essex.
May 1	Miscellaneous stores and equipment	No. 16 Maintenance Unit, Royal Air Force, Stafford.	South & Stubbs, 28 Eastgate Street, Stafford. (Tel. Stafford 2331).

The above sales will include M.T. engines and spares, plant spares, caterpillar spares and track assemblies, Leyland power units, aero engine spares, parachute canopies, packing cases, fire extinguishers, radio and radio spares, bedding, furniture, and general stores.

May 9	Miscellaneous stores and equipment	No. 35 Maintenance Unit, Royal Air Force, Heywood, Lancs.	Brady & Son, 17 Warren Street, Stockport, Cheshire. (Tel. Stockport 2252).
May 22	Miscellaneous stores and equipment	No. 7 Maintenance Unit, Royal Air Force, Quedgeley.	Bruton Knowles & Co., Albion Chambers, Gloucester, (Tel. Gloucester 21267).
June 20	Miscellaneous stores and equipment	No. 25 Maintenance Unit, Royal Air Force, Hartlebury.	Nock & Joseland Bank Buildings, Kidderminster, Works. (Tel. Kidderminster 2053).

Catalogues for the above sales may be obtained within fourteen days of the advertised date of sales, on application to the auctioneers. Catalogues for sales held at Maintenance Units cost 1s. 0d. each (*Postal Orders only*), all other catalogues free.

DISPOSAL OF ASSETS AT C. & R. SITES

Messrs. Geering & Colyer will sell by public auction on the dates indicated and at the Royal Air Force sites listed below operational equipment including air conditioning and refrigeration plant, electric meters, water pumps, fans, heaters, compressors, etc., RSJ gantries and girders, teak flooring, electrical supply cable, sanitary items, doors and miscellaneous items.

1963
April 9 . Fairlight, Nr. Hastings, Sussex.
April 23 . Beachy Head, Sussex. (No Air Condition of Refrigeration Plant on offer at this site).
May 7 . Truleigh Hill, Nr. Shoreham-on-Sea, Sussex.
May 21 . Margate, Kent.
June 11 . St. Margarets Bay, Kent.

Catalogues (free) may be obtained within fourteen days of the sale dates from Messrs Geering & Colyer's offices at: Ashford (Tel. 25), Hawkhurst and Tunbridge Wells, Kent; Rye, Heathfield, and Wadhurst, Sussex.

Sales by Tender

Tenders invited for the purchase and removal of: (a) Approx. 42,000 yards of underground cable at Finmere, near Buckingham; (b) Type 'B' Hutting Components at Innsworth, Gloucester; (c) Timber buildings at Hendon and steel framed buildings at Fazackerley, near Liverpool.

Apply within 7 days of the date of this advertisement to Air Ministry, (C 19A), Turnstile House, London, W.C.1 for tender forms.

War Office

1963	Stores	Location	Auctioneer
April 18-19.	Machine tools and miscellaneous stores	Technical Stores Depot, Old Dalby, Leics. *Sale at Melton Mowbray.*	Shouler & Son (Dept. L), 1 Norman Street, Melton Mowbray, Leics. (Tel.: 3081).
April 23-25.	Vehicles, etc., including:	W.D. Storage Depot, Ruddington, Notts.	Walker, Walton & Hanson, (Dept. L), Byard Lane, Bridlesmith Gate, Nottingham. (Tel.: 54272).

193 saloons, limousines and estate cars; 230 Land Rovers (single lots); coaches; tippers, crawler and wheeled tractors by Bedford, Caterpillar, Diamond 'T', Scammell, and Thorneycroft. Mobile tankers 200-2,500 galls., trailers 10 cwts.-16 tons, and many other types of load carrying and dual-purpose vehicles, also excavators by Ruston Bucyrus and Smith. Angledozers by Caterpillar and Fowler, mobile cranes by Coles, Jones, Neals, Ransome & Rapier, and Smith Rodley; trenchers, scraper by Le Tourneau; macadam mixer, fork lift trucks by Clark, Coventry Climax, and Ross; dumpers, mobile fitted workshops, and large quantity of valuable plant ancillaries and spares by Caterpillar, Coles, Hyster, Koehring, La Plante Choate, Le Tourneau, Onions, Ransome & Rapier, etc.

May 8	Miscellaneous stores	Central Ordnance Depot, Bicester, Oxon.	Midland Marts, Ltd. (Dept. L), Market Square, Bicester. (Tel.: 73).
May 14	Miscellaneous stores	Central Ordnance Depot, Didcot, Berks.	Simmons & Sons (Dept. L), 12 Station Road, Reading. (Tel.: 54025).
May 16	Miscellaneous stores	Technical Stores, Sub-Depot, Wem, Salop	Hall, Wateridge & Owen, (Dept. L), High Street, Shrewsbury. (Tel.: 2081).

Catalogues for each sale shown above may be obtained from the appropriate auctioneer 14 days prior to date of sale, price 1s. 0d. (*Postal Orders only*).

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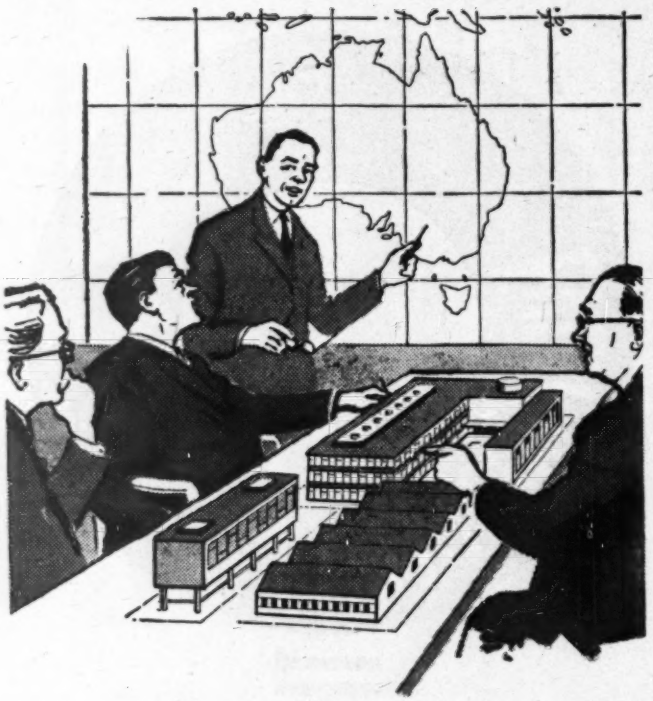

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Many expanding U.K. firms have already done so, helped more often than not by Australia and New Zealand Bank. And to other manufacturers contemplating the same development, the Bank will gladly give similar assistance. A valuable introduction to such a move is provided by the Bank's 70-page book *Establishment of Industry in Australia*, produced especially for industrialists who may be considering that country as a further base for their company's operations.

Subjects include company formation, market potential, taxation, labour, transport, power supplies, tariff protection and local regulations. We shall be pleased to send you a free copy if you write to

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DO YOU KNOW THESE FACTS ABOUT SPAIN?

1. *Spanish reserves of gold and foreign currency are rising at the rate of about one hundred million pounds a year.*
2. *Most types of goods can now be imported into Spain under open general licence. Where quota restrictions remain, large imports may still be allowed.*
3. *The Spanish national development plans envisage spending around six hundred million pounds a year over the next few years.*

THESE ARE ONLY A FEW OF THE REASONS FOR BOOKING STAND SPACE AT THE

BRITISH EQUIPMENT AND PRODUCTS EXHIBITION IN SPAIN

TO BE HELD IN

MADRID

24TH SEPTEMBER TO 8TH OCTOBER, 1963

SPACE CHARGES: UNDER COVER, 25s. per sq. ft. (shell stand 15s. extra); OPEN AIR, 10s. per sq. ft.

The Exhibition will be held on a magnificent site with excellent communications by bus and underground with the centre of Madrid. It will be open to the public during certain hours, but the main publicity of the Exhibition will be directed towards businessmen and industrialists in all trades, together with the large number of Government officials (nearly all located in Madrid) concerned with expenditure under the new development plans.

A programme of fashion parades, sporting events and other special features is being planned in conjunction with the Exhibition.

SEND FOR FURTHER DETAILS TO

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Trade Fairs and Exhibitions at Home and Overseas

Changes in Trade Fairs and Exhibitions Announcements

BECAUSE of pressure on space all the various classified lists of trade fairs and exhibitions will be published in full only on the dates indicated below:

	Date Last Published	Date Next Published
Outside Europe	This issue	July 5
Europe	Mar. 1	June 7
United Kingdom	Feb. 1	May 3

Amendments and additions to the three lists will be shown in the issues of the intervening weeks.

No responsibility is taken for the standing of organizations or individuals mentioned in the lists, and dates, etc., may be subject to alteration.

The Board of Trade Export Publicity and Fairs Branch, Horse Guards Avenue, London, S.W.1 (Tel. Trafalgar 8855, Ext. 3096, Europe; 3097 United Kingdom and Outside Europe) will be glad to answer general inquiries but applications should be made to the organizers or United Kingdom agents for details of costs and conditions of participation. Export Publicity and Fairs Branch can also provide information about other events which, owing to space limitations, are not included in the lists.

*indicates fair which is held annually at approximately the time stated.

†indicates fair which is held in alternate years at approximately the time stated.

Amendments and Additions to Classified Lists

THE fairs and exhibitions given below are amendments and additions to the full lists published in the *Board of Trade Journal* on March 1 and February 1 respectively.

EUROPE

Amendment:

The Board of Trade have been advised that the dates of the International Samples Fair and Packaging Salon, Padua, should now read May 31-June 13, 1963, and not May 29-June 13, 1963, as previously shown in the issue dated December 22, 1961, and subsequent issues.

Additions:

AMSTERDAM: HOTEL AND RESTAURANT INDUSTRY FAIR (HORECAVA) – January 6-9, 1964.
* Apply, R.A.I. Gebouw N.V., Europoplein 8, Amsterdam.

BERLIN: INTERNATIONAL GREEN WEEK – January 24-February 2, 1964.
* Apply, Berliner Ausstellungen, Eigenbetrieb von Berlin, 1, Berlin 19, Masurenallee 5-15.

VIENNA: INTERNATIONAL SPRING TRADE FAIR – March 15-22, 1964.
* Apply, Office of the Austrian Foreign Trade Representative, 1 Hyde Park Gate, London, S.W.7. (Tel. Knightsbridge 6938).

LILLE: INTERNATIONAL TRADE FAIR – April 25-May 10, 1964.
* Apply, Weigel, Leygonie & Co. Ltd., 31/32 King Street, London, W.C.2. (Tel. Temple Bar 4825/9).

GOTHENBURG: SWEDISH TRADE FAIR – May 15-24, 1964.
* Apply, John E. Buck & Co., 47 Brewer Street, Piccadilly, London, W.1. (Tel Gerrard 7576).

MUNICH: INTERNATIONAL HANDICRAFTS AND SUPPLIER INDUSTRIES FAIR – May 21-31, 1964.
* Apply, Du Mont Publicity Co. Ltd., 18 Queensberry Place, London, S.W.7. (Tel. Kensington 1700).

VIENNA: INTERNATIONAL AUTUMN TRADE FAIR – September 13-20, 1964.
* Apply, Office of the Austrian Foreign Trade Representative, 1 Hyde Park Gate, London, S.W.7. (Tel. Knightsbridge 6938).

MARSEILLES: 40TH INTERNATIONAL FAIR – September 24-October 5, 1964.
* Apply, Butler's Advertising Service, Fenwick House, 292 High Holborn, London, W.C.1. (Tel Chancery 4224/5).

UNITED KINGDOM

Additions:

LONDON: THE FURNITURE EXHIBITION – January 27-February 8, 1964.
* At Earl's Court. Apply, B.F.M. Exhibitions Ltd., 17 Berners Street, London, W.1. (Tel. Langham 5115).

LONDON: THE LEATHERGOODS, LUGGAGE AND HANDBAG FAIR – February 10-14, 1964.
* At the Mount Royal Hotel, W.1. Apply, The Secretary, The Leathergoods, Luggage and Handbag Fair, 23/5 Eastcastle Street, London, W.1. (Tel. Museum 7524).

BRIGHTON: SMALLWARES TRADE FAIR – February 24-27, 1964.
* At Metropole Hotel. Apply, Trade and Technical Exhibitions Ltd., 1 Dorset Buildings, Salisbury Square, Fleet Street, London, E.C.4. (Tel. Fleet Street 1555).

British Food Products on Show in Boston, Mass.

ENCOURAGED BY the success of the British food promotion at Thalhimer's department store in Richmond, Virginia (see *Board of Trade Journal*, August 17, 1962, page 379), the British Embassy in Washington, aided by New York importers of British lines, arranged a two-week promotion with one of the most respected houses in New England, where there is a good market for British foods. The name of S.S. Pierce Company is well known in New England and in many parts of the United States and stands for quality in the grocery and speciality food field. The company was founded in 1831 as importers and grocers and from its early years has obtained supplies from the United Kingdom; it has in fact been dealing continuously since 1891 with one British firm. In addition to its ten retail shops the company also conducts a sizeable mail order business and operates substantially as wholesalers, supplying other grocery stores, institutions, ships and the occasional expedition.

On February 4 a special promotion of British food products was opened by H.M. Consul-General and Mr. Wallace Pierce, President of the Company, with the assistance of Mr. Peter Ustinov, whose play 'Photo Finish' was at that time on the Boston stage. A soldier-like figure in a scarlet tunic at the main door of the shop and two dairymaids in traditional English and Welsh costume (costumes courtesy English Country Cheese Council, through J. Walter Thompson Company – maids courtesy British Consulate-General) added greatly to the colourful opening ceremony.

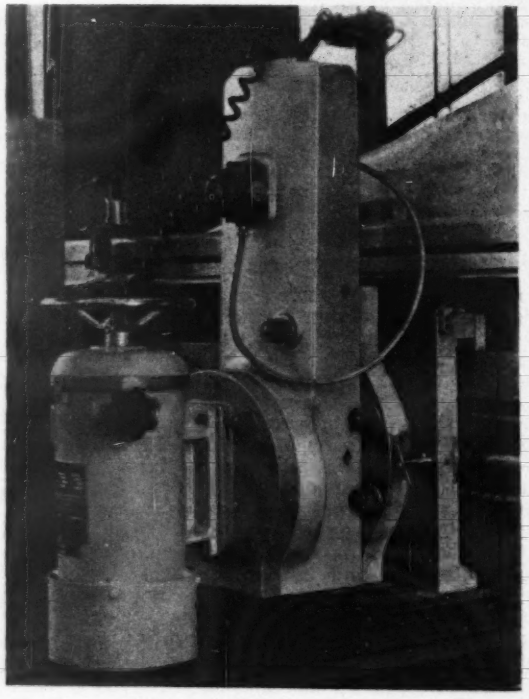
The promotion was held simultaneously in nine of the company's shops in Boston and Greater Boston (on March 2-9 in their West Hartford branch) and was undoubtedly the most comprehensive display of British food products to have been shown in this area by a single company. The nine shops in the Boston area are all of modern construction and well lighted and were most attractively decorated with properties supplied by the British

[(*Continued on page 788*)

Mr. Peter Ustinov, who opened Boston's British Food Festival, is seen with Mr. Wallace Pierce, President of S. S. Pierce Company.

'WRIGHT' Self-contained Motorised Grinding Heads

(COVERED BY BRITISH AND FOREIGN PATENTS)



An ideal supplementary attachment to
PLANING, MILLING, BORING, TURNING MACHINES AND MOST TYPES OF HEAVY LATHES

- ★ **Independent Operation.**
- ★ **Locking Device for securing the "Depth-of-cut" position.**
- ★ **Calibrated Scale Ring.**
- ★ **Available in 7 Standard Sizes ranging from 1 h.p. to 10 h.p.**

◀ Illustrated is a "WRIGHT" Model 2/2P self-contained Motorised Grinding Head, developing 2 b.h.p. at 2,900 r.p.m., mounted on the cross-slide of a Stirk open-side Planing Machine.

(Photograph by courtesy of John Stirk & Son, Ltd.)

A "WRIGHT" Model 1.5/2P Self-contained Motorised Grinding Head, flange mounted into a four-wheeled Bogie running on rails, and in this instance being used for surface truing of turbine foundations. ▶

(Photograph by courtesy of Messrs. C. A. Parsons & Co. Ltd., Newcastle-upon-Tyne)

THE LONDON INTERNATIONAL ENGINEERING EXHIBITION

23rd April to 2nd May, 1963

In addition to the equipment illustrated here, the following products will also be shown on our **Stand No. 107, Earls Court,** at the above Exhibition:
"WRIGHT" Vertical Spindle Horizontal Table Surface Grinders: "WRIGHT" Motorised Heavy Duty Grinding Spindles: "WRIGHT" Coated Abrasive Disc Type Surface Finishers: "WRIGHT" Bar Centring Machines: "WRIGHT" Electrosuds Pumps.
"REMS" Fully Automatic Electric-hydraulically operated Parting-Off Machines: "REMS" Cutting-off Machines (Motorised) for portable or stationary use: "REMS" Thread Cutting Machines (motorised) for portable or stationary use.
"SPONTAN" Semi and Fully Automatic Electric-hydraulically operated Cutting-off Machines (Circular Saw Type).

WRIGHT ELECTRIC MOTORS (HALIFAX) LTD.

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One Thousand Companies will show at the London International Engineering Exhibition

The Prime Minister the Rt. Hon. Harold Macmillan will be the principal speaker at a banquet at the Mansion House on Monday, April 22 which is being held to inaugurate the London International Engineering Exhibition. The banquet has been arranged by the London Chamber of Commerce, sponsors of the exhibition which will occupy both Olympia and Earls Court from April 23 to May 2.

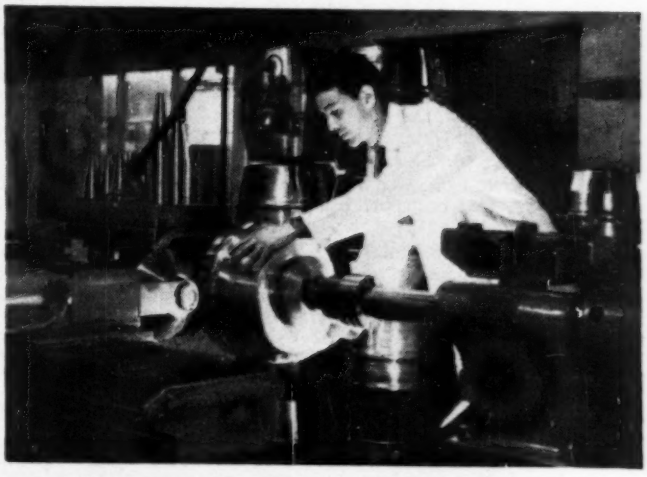
THE LONDON INTERNATIONAL Engineering Exhibition, claimed by its organizers (F. W. Bridges & Sons Limited in collaboration with Industrial and Trade Fairs Ltd.) to be the largest international trade exhibition ever held in Britain and the first to take place at Earls Court and Olympia at the same time, opens on April 23. Displaying equipment and products ranging from the biggest items of capital equipment to the smallest power tools and components from approximately 1,000 companies, the exhibition will provide exhibitors and buyers from all parts of the world with unprecedented opportunities for the furtherance of business.

Marking the first step in the establishment of London as an international centre for world engineering, it will be the very first exhibition of its type big enough in industrial scope and degree of foreign participation to compete with the huge Continental fairs and aims at attracting buyers, particularly from Europe and the Commonwealth, on a scale never seen before at any exhibition in Great Britain.

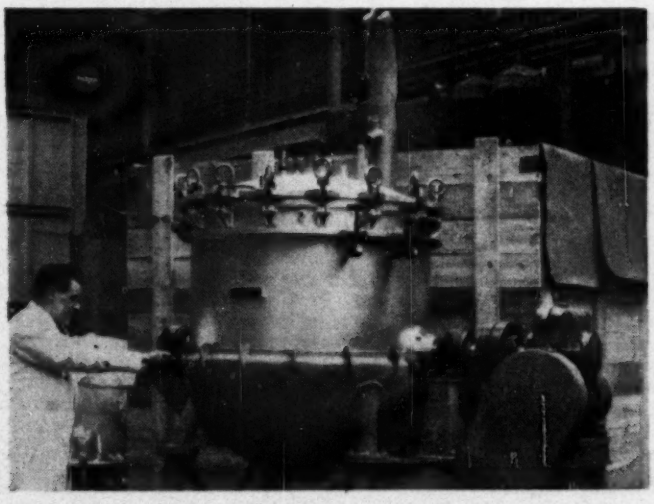
With over 20 per cent. of exhibitors coming from overseas, representation will include the Commonwealth, all countries in Western Europe, Hungary, Japan, Poland, Yugoslavia, the United States and many other parts of the world. In addition to manufacturers' stands large spaces have also been booked by a number of government trading organizations.

A special feature of the exhibition will be the International Trade Centre, providing offices for government departments, official trading organizations, chambers of commerce, commercial attaché representatives and other officials. The aim of the Centre will be to act as a channel for any country, whether exhibiting or not, to publicize opportunities for trade and investment and advertise their capital plant and equipment requirements. Included among countries represented will be Belgium, Finland, France, West Germany, Hong Kong and Italy.

Equipment and products on display will cover the entire field of mechanical and electro-mechanical engineering from boilers, furnaces, foundry equipment, generators, gas turbines, evaporators, cranes and heavy steelworks plant to filters, gears, ball bearings, piping, pumps, valves, transformers, tools and materials.



The power-spinning of aluminium beer casks being carried out by Delaney Gallay Ltd. The casks, which were spun in two halves, welded together and lined with plastic, were manufactured for a market research survey designed to assess the demand for light metal casks.



An 1,800 lb. capacity toothpaste mixing machine manufactured by W. P. Butterfield (Engineers) Ltd., Shipley, Yorks, for export to Colombia.

Ancillary processes such as corrosion protection, radiography, metal refining, lubrication, testing and measuring, fire prevention, heating, insulation and storage will also be displayed. Nuclear equipment will also be found on many stands, and the inclusion of ships' davits, life rafts, radar, steering gears, propellers, gyro-compasses, anchors, cables and other branches of ship-fitting and ship construction will be an important aspect of the show.

The International Welding Exhibition will be an 'exhibition within an exhibition', occupying the whole of the National Hall. Vitally interesting to everyone concerned with pre-fabricated assembly in engineering, this will enable engineers to see the latest advances in automatic and semi-automatic processes side by side with demonstrations of the latest methods of electro-slag, ultrasonic and electronic beam welding.

Welders for space craft

Processes on show will include resistance transformer, rectifier and motor generator and electric arc welding, the CO_2 shielded process and gas welding and brazing. New British cutting machines and hard-facing alloys will be exhibited alongside seam welders and spot welders used in the fabrication of American space craft. There will also be X-ray fluoroscopy and radiography apparatus from Germany and Denmark as well as American arc welders and new equipment from Switzerland.

The latest equipment for pipe cutting, profiling, pre-heating and stress relieving of furnaces, pipes, pressure vessels and similar fabricants will also be on display, together with control instruments, rectifiers and generators; protective shields and clothing; flaw detectors; fume extractors, surge injectors and flux recovery units.

One of the major Commonwealth exhibits will be a 3,500 square foot stand sponsored by the Canadian Government, where sixteen manufacturers will display materials and equipment including

boilers, radiography units, heat transfer and plastic moulding machines, transformers, switchgear, motors, welding sets and a selection of rare metals.

A hundred member firms of the Gauge and Tool Makers Association will mount a group exhibit displaying equipment ranging from micrometers, comparators and lapping compounds to drills, cutters, injection moulds, extrusion dies, gauges of every type and precision testing instruments.

Another composite stand will be sponsored by the British Oil Burner Manufacturers' Association with a membership of over 160 manufacturers of oil-burning plant and accessories. In addition to a display of equipment, the stand will be an information centre covering every type of burner used in oil-firing systems.

Altogether, over 70 trade and technical organizations will be playing an active part in the show and many group visits, meetings and other special activities have been planned. One-day conferences to be held throughout the exhibition will be organized by leading technical bodies including the Institute of Plant Engineers, the Society of Engineers, the Institute of Hospital Engineers, the Institute of Engineers-in-Charge and the Institute of Sewage Purification.

Opening hours will be from Tuesday, April 23 to Thursday, May 2, 1963, inclusive, from 10 a.m. to 6 p.m. with the exception of Sunday, April 28, free transport being provided for all ticket holders between the two halls.

The London International Engineering Exhibition is sponsored by the London Chamber of Commerce and organized by F. W. Bridges & Sons Limited, who have been responsible for the Engineering, Marine, Welding Nuclear Energy Exhibition (which this exhibition now succeeds and incorporates) since 1906, and Industrial and Trade Fairs Limited, organizers of the highly successful British Trade Fair in Moscow.

Around the Stands

The random selection below illustrates the wide variety of equipment and products on display:

Venturi Valves for Boiler Installations

Hopkinsons Ltd., of Huddersfield, will be exhibiting the Hopkinson-Ferranti valve which supersedes the conventional parallel-slide valve where bore sizes and steam pressures above 2½ ins. and 350 p.s.i. are involved. To reduce the load area at the valve seat and to minimise the load applied to all working parts, the bore of the Hopkinson-Ferranti valve is formed so that the bore through the seat is approximately ¼ smaller than the inlet and outlet bore – i.e. the bore through the seat of a 12-inch unit is only 8 inches. The resultant pressure drop is claimed to be negligible. Valves of this type are designed for steam pressures up to 3,150 p.s.i. and boiler feed pressures of up to 6,600 p.s.i. 12-inch, 14-inch and 16-inch bore units are also specifically designed for use with circulating pumps in power stations for a maximum working pressure of 3,000 p.s.i.

Multi-channel Instrumentation Recorder

Epsylon Industries Limited, of Feltham, Middlesex, will be exhibiting the MR.303, the first of a new series of instrumentation recorders for laboratory use. The recorder accommodates 8 tracks on a ½-inch wide tape and can be adjusted to run at any of 6 different tape speeds – 1⅞ i.p.s., 3¾ i.p.s., 7½ i.p.s., 15 i.p.s., 30 i.p.s. or 60 inches per second. Provision is also made for 4 amplifiers, which permit the simultaneous replay of up to 4 recorded tracks. The MR.303 is supplied with an F.M. electronics system but can also employ a direct recording system. Bandwidths of D.C. to 1.25 Kc/s at 7½ i.p.s. for F.M. and 50 c/s to 10 Kc/s for direct recording are obtained and bandwidths for other tape speeds are proportional.

Electronic Weighing

Weighing mechanisms to be shown by W. & T. Avery Limited, of Birmingham, take instructions from and give instructions to punched card and tape machines. In this way they provide fully automatic and foolproof operation in all kinds of weighing, batching, blending, continuous flow, totalizing, testing, checking and recording processes. The use of electronics, especially the growing use of transistors, has enabled these ultra-sensitive weighing mechanisms, even at zero energy, to operate controls, computers, electric typewriters and other business machines.

Fitting brake linings manufactured by Ferodo Ltd., Chapel-en-le-Frith, Derbyshire, to one of the cast steel capstans on the main picking-up and paying-out cable gears designed and supplied by Telcon to the new 6,200-ton GPO cable layer *HMTS Alert*.

New Rectifier

One of the main exhibits to be shown by F. Hirshmann Limited, of Wembley, Middlesex, will be a new rectifier for metal arc and tungsten arc welding, designed at the request of International Nickel (Mond) Limited. The new plant has widely variable static and dynamic characteristics which enable it to reproduce and equal the performance of all known metal arc and tungsten welding sets.

Air-operated Hydraulic Pumps

Charles S. Madan & Company Limited, of Altrincham, will be exhibiting air-operated hydraulic pumps covering hydraulic pressures from 20 p.s.i. to 100,000 p.s.i. Models on show will include the laboratory and research Airhydropump for pressures between 10,000 p.s.i. and 100,000 p.s.i.; a 55,000 p.s.i. industrial pump and the Junior Airhydropump manufactured in six sizes to cover pressure ranges from 50 p.s.i. to 10,000 p.s.i.

Refrigeration for Road Transport

Included in the display by J. Stone & Company (Deptford) Limited will be refrigeration and air-conditioning apparatus including the R225 Stone-Carrier refrigeration equipment for insulated road vehicles up to 30ft. in length and the newly developed R120 equipment which is provided with automatic transistorized temperature control over the range from −20°C(-4°F) to + 20°C (+ 68° F) with an accuracy of + or − 1°C (1.8°F).

New Sewage Pump

The new Sumo sewage pump will be exhibited for the first time by Sumo Pumps Limited, of Crawley, Sussex, who have now redesigned their 4-inch electro-submersible pumps to produce the BP series which will also be on show for the first time at the exhibition. BP pumps are fitted with hard moulded plastic impellers and stage castings which are resistant to corrosion and mineral build-up. Power is provided by the new Type "B" Mark IV self-priming electric motor available in ⅓, ½ and ¾ h.p. sizes for single-phase or three-phase supplies. The motor is fitted with replaceable resin-bonded journal bearings and carbon-faced thrust bearings; both the motor and thrust bearings are water lubricated.

Gauging Needs

A comprehensive range of screw and plain plug and ring gauges as well as the latest adjustable screw thread caliper gauges will be

(Continued on page 777)

British MARC

Stand 91
Earls Court

LONDON INTERNATIONAL ENGINEERING EXHIBITION

APRIL 23rd — MAY 2nd, 1963

STEELWELD DIVISION

RESISTANCE WELDING EQUIPMENT

Automated hydraulic press-welders
Single and dual 'C' frames
Special welding fixtures
Table top welders
Portable welding rigs
Mechanical knees
Portable welding guns
Welding transformers
Heavy current jumpers
Welding guns

SPECIAL MACHINERY

Hemming presses
Custom built machines
Kold Kote machines
Automation

CONTROL SYSTEMS

Electronic timer units
Industrial control cubicles

INDUSTRIAL AIR CYLINDERS

DISC BRAKE DIVISION

Electric motor disc brakes in six basic sizes.

VIBRATOR DIVISION

CONVEYORS AND FEEDERS

Natural frequency
Spiral
Tubular
Trough
Enclosed
Insulated
U-Section
V-Section
Flat bottom
Grizzly Bar
Diagonal discharge
Water cooled

GRIDS

Single motor
Twin motor

SCREENS

Single motor
Twin motor
Conveyor screens
Grizzly bar
Sieves
De-watering screens

BARRELS

Single barrel
Twin barrel
With screens

JOGGER TABLES

HOPPER VIBRATORS

BUNKER VIBRATORS

VIBRATOR MOTORS

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NIKEX BUDAPEST 4 POB 103.

exhibited by The Horstmann Gear Company Limited, of Bath, Somerset, on the Gauge and Tool Makers' Association Composite Stand. In recent years the Horstmann Caliper Gauge has become firmly established in the field of production engineering. Invaluable on a workpiece with a particularly long threaded portion and particularly suited for gauging work which is still in the machine, the caliper will gauge a length of thread in a fraction of the time taken to run a ring down. When worn it can be repeatedly adjusted to size, so obviating constant replacement.

Sintered Metallic Components

An exclusive range of sintered metallic components extending from self-lubricating bearings to complex shaped parts in ferrous and non-ferrous based metals will be shown by Sintered Metal Components (Chard) Limited. The sintering process facilitates the production of complex shaped engineering components on a mass-production basis to within a very high degree of dimensional accuracy and at considerable saving in cost. Special equipment enables components to be produced at the rate of 43,000 articles an hour.

Generating Set

Austinlite Limited, of Crawley, Sussex, will be showing a "no-break" generating set with an overhung flywheel and a control cubicle. The set is fitted with a Ruston 3YDA air-cooled diesel engine and an Arthur Lyon combined motor alternator set; it operates at 1,500 r.p.m. and has an output of 15 kVA, 415 volts, 3-phase, 50 cycles. Also on show will be the new check synchroniser with accessories suitable for use with sets having an output of 400 volts, 50 cycles, and the complete range of Austinlite rotary switches from 5 amps to 1000 amps.

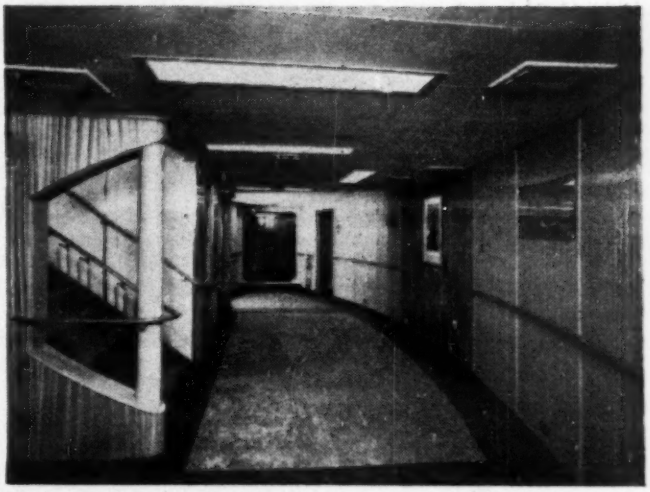
Inflatable Building

A new 10-inch bore plastic hose developed for use in the erection of high-pressure inflatable buildings up to 30 feet high and 60 feet span will be exhibited by B.T.R. Industries Limited. Each building consists of support members in the form of individually-sealed lengths of inflatable tubing manufactured by BTR from woven synthetic fibres fused to a lining of PVC compound. This type of structure can be used for permanent aircraft hangars, warehouses or garages as well as for emergency hospitals or other temporary forms of shelter.

Food Pipes

New use for heavy-duty positive-action pumps is revealed by the Comet Pump and Engineering Company Limited, of West Croydon. Injecting small quantities of fish, meat, chocolate, toffee, chemicals and other "unpumpables" into main production streams, the pipes have effectively replaced unsightly conveyors in a number of leading factories. Reason for their selection was their ability to operate at low speeds, constituting an exclusive and important achievement in this important field.

Machining the edge of an aluminium pressure vessel end that will be the principal exhibit on the stand of G. A. Harvey & Co. (London) Ltd. The end is one of six which have been spun to the order of Marston Excelsior Ltd., who are making three main air separation columns and other aluminium plant for constructors John Brown Ltd., for installation in three tonnage oxygen plants at Tarnow, Poland.

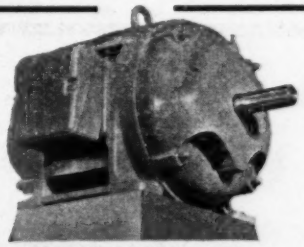


Turners Asbestos Cement Co. Ltd's Turnall asbestos ships board used on the Royal Mail Lines passenger/cargo ship *Amazon*, forming stairway, corridor and lift shaft linings. The material is approved in various forms for the construction of 'A' and 'B' class fire resisting divisions.

New Car Hoist

A new car hoist to be displayed by the Vulcan Equipment Company Limited of Canada utilises a patented compressed air and rubber bellows principle, is completely portable and being only 5 inches high can easily be positioned under any car. The hoist has been

INTERNATIONAL
ELECTRIC MOTORS



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safety-tested to ten times the pressure required to lift an average car and subjected to stringent tests equivalent to seven years' normal service.

Preventing Corrosion and Scale

A working model showing the corrosion-preventing qualities of the Aqua-Clear water treatment equipment for the prevention of corrosion and scale within cooling and heating systems as applied to all ferrous and non-ferrous metals will be shown by Kinnis & Brown Limited. Introduction of Aqua-Clear into the United Kingdom took place in 1957 through the marine industry. Equally effective under conditions of extreme heat or in salt water, Aqua-Clear forms a film between the water and the metal preventing oxidization taking place.

Lubrication by Fog

The Norgren Micro-Fog lubricators displayed by the Shipston Engineering Company Limited, of Shipston-on-Stour, Warwickshire, provides an ideal centralized method of lubrication. The lubricator generates a fine dry fog of oil particles which is smoke-like in nature. This dry-oil fog can be conveyed long distances through tubing with as many bends as required without precipitating or over-wetting the inside of the tube. At the point of application, a reclassifier changes this dry-fog to a wet-fog which is applied directly to the machine element to be lubricated.

Contents Gauges and Level Switches

A new range of combined direct reading contents gauges and level switches for static tank use has been introduced by Bayham Limited. These units are available in two basic forms incorporating R. & G. magnetic drive between the float mechanism and the switch and dial chambers and are thus suitable for use in pressure and vacuum installations. Both instruments can be fitted with independently wired mercury switches to give various electrical signals at pre-determined settings.

Blow Down Valves for Boiler Controls

Ronald Trist & Company Limited, of Slough, will be exhibiting the new Mobrey sequencing blow down valve designed for the isolation and blow-down of float-operated boiler controls working at pressures up to 250 p.s.i. The valve, which is manufactured in bore sizes of ¾ inch and 1 inch, permits the blow-down of the float chamber and the blowing through of the water connection to the boiler to be effected separately and in a pre-determined sequence.

Tubes for all Purposes

Tubes Limited, of Aston, Birmingham, will be showing tubes with polished and honed bores and centreless ground tubing manufactured in bore sizes up to 8 inches and lengths up to 16 feet for the cylinders of hydraulic rams. Cold-drawn seamless carbon steel and alloy steel tubes from ¾ inch outside diameter to 9 inch outside diameter for Admiralty boiler installations and heat exchangers will be exhibited alongside the company's tubular forgings and cold-reduced seamless steel tubes produced in sizes from ¾ inch outside diameter to 3¾ inch outside diameter.

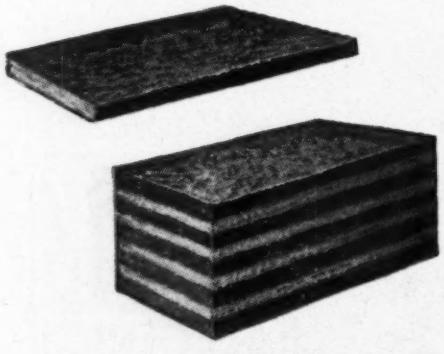
Handling High-pressure and Low-pressure Steam

Bronze and steel Vee-Reg globe valves manufactured in bore sizes from ¼ inch to 10 inches with either screwed or flanged ends and fitted with "V" shaped stainless steel clack and seat will be exhibited by British Steam Specialities Limited, of Fleet Street, Leicester. The valves are designed for handling high-pressure and low-pressure saturated or super-heated steam as well as high-pressure hot water. Other exhibits on the same stand include powder handling valves and valves for use with slurries or pastes. The company's flanged or screwed single or double filters, Bourdon pressure gauges, liquid level guages and bimetallic strip actuated thermometers will also be on display. Velan steam traps for pressures up to 2.500 p.s.i. and temperatures up to 1,100°F will be exhibited including the Velan Monofloat steam trap designed for discharging condensate at steam temperature.

Metallic Linings

The Metallic Linings Division of Darchem Engineering Limited, a member of the Darlington Group, will be exhibiting tanks and storage vessels used for handling food products, beverages and chemicals. The containers are manufactured from mild steel, concrete, timber or cast iron and lined with light gauge stainless steel

Insulate machinery, plant and whole buildings with



London International Engineering
Exhibition Stand 117 Earls Court

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to give protection against contamination and corrosion. For special applications vessels protected by nickel, monel, nionel, inconel, hastelloy B and C and titanium linings from 0.007 inches to 0.125 inches in thickness will also be on display.

Hydraulic Hand Pumps

Chamberlain Industries Limited will be exhibiting a variety of hydraulic hand pumps including the Hudro HYD. 1 portable single-acting pump for pressures up to 2,000 p.s.i. The company's "Duo" heavy-duty industrial pump, which will also be on show, is designed for a maximum working pressure of 5,000 p.s.i. at a delivery of 33 cubic inches per stroke and suitable for operation with Staffa hydraulic rams.

Heat Transfer Equipment

An entirely new design of air blast cooler will be shown for the first time by the Spiral Tube & Components Company Limited, of Derby. The company will also exhibit their standard "Component Series" air heater batteries produced in duct sizes from 12 inches x 18 inches to 60 inches x 72 inches for steam, high-pressure hot water and low water and low-pressure systems, operating up to 100 p.s.i.

German Pumps, Mixers, Valves and Meters

Fluid handling equipment of German manufacture to be shown by H. P. Burman Limited, will include pumps, mixers and valves designed for use in petrochemical or chemical installations and produced in a variety of materials by Rheinhutte of Wiesbaden-Biebrich. The Rheinhutte glandless pump, which is constructed in silicon iron and is capable of handling up to 100 per cent. concentrations of sulphuric acid without corroding, will be included amongst equipment on show.

Air-cooled Transformer Welding Sets

A new range of lightweight, air-cooled A.C. transformer welding sets, in which specially coated and treated electrical windings replace the heavier sealed windings used in oil-filled welding sets for protection against atmospheric conditions and impurities, will be exhibited by Max Arc Limited, of Walton-on-Thames, Surrey. The 20/250 amp. and 25/350 amp. A-range sets, rated at 6.25 kVa and 14 kVa respectively, weigh only 236 lbs. and 325 lbs. net and are cooled by natural air circulation. Max Arc will also be exhibiting the new Port-El-Ette petrol/electric arc welder which weighs only 44 lbs. and has an output range of 30-230 amps. A.C. and 20 settings at 427 c.p.s.

Arc Stud Welding Units

A new range of arc stud welding units with static switched timers will be demonstrated by K.S.M. Stud Welding Limited, of Old Woking, Surrey. The two larger units also incorporate automatic compensation for variations in supply voltage. A heavy duty unit designed for the high-speed stud welding of attachments up to ¾ inch diameter as well as large sheer connectors used by the construction industries will also be exhibited.

Blow Moulding Machines

Emerson Walker Limited of Gateshead, will be showing 50-gallon containers, 13-gallon barrels, 5-gallon drums, other vessels and thin panelling in a variety of plastics materials made on their plastics blow moulding machines. This company claim to be the only plastics machinery manufacturers exhibiting thermoplastic goods.

With the recent improvement in thermoplastics to give consistent performance materials, blow moulding is now one of the cheaper methods for big plastics fabrication. Only one die, or mould, is needed and complex shapes, with pressure resistances up to 400 p.s.i. can be moulded in high and low density polyethylene, polypropylene, ABS and nylon.

For instance a dustbin and lid can be moulded in one and separated by cutting round a predetermined groove. Sink units or tote boxes can be blown in pairs or fours and then cut. There are no seams to be welded, colours are an integral part of the material and the resulting products are lightweight and hardwearing.

Greater Efficiency With New Engine Piston

A new piston which will increase the efficiency and life of engines, as well as reducing fuel consumption, has been developed by British scientists. The piston has been fully tested at the British Internal Combustion Engine Research Association in Slough, Buckinghamshire, in Southern England, and is now ready for commercial manu-

(*Continued on page* 781)

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Manufacturers of specialised stainless steel equipment for the dyeing of textiles, and for food processing, chemicals, and heat transfer.

The City Sheet Metal Works Ltd

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Specialists in light sheet metal fabrication and construction.

Associated Locomotive Equipment Ltd

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Poppet Valve Gear, for steam locomotives and marine engines.

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facture. Association scientists originally designed the piston for diesels, to allow them to carry exceptionally high loads, but it can also be fitted to petrol engines.

In tests, a turbocharged diesel fitted with the new pistons was taken to 160 per cent. above the commercial rating of the same engine fitted with normal pistons. Limited tests on a petrol engine indicated possible large savings in fuel costs.

Basic principle of the piston is that it is made to adjust the compression ratio according to the load on the engine. It has a double piston head – the inner one floating on a cushion of oil with the main head. When the engine is under heavy load the outer piston head forces oil out of the cushion into small reservoirs, so reducing the piston stroke. The shorter stroke eases the strain on the engine.

When the vehicle is cruising and the pressure is taken off the piston, it lengthens to increase the power output. The new piston will be on show at the exhibition.

Current DSIR Development at the Exhibition

SOME examples of the current work of the Department of Scientific and Industrial Research, as it affects the engineer, will be on show in the Research and Development Section at Earls Court. The diversity of the exhibits demonstrates the wide scope of the Department's interests.

The biggest contribution comes, naturally enough, from the National Engineering Laboratory. Typical of their day-to-day problems as opposed to long-term investigations is the question of fan design. Essential components in heating and ventilating, conventional fans fall into two groups. The first gives an air flow parallel to the axis of the fan and is characterized by a high volume flow. The other features centrifugal flow tangential to the fan and gives high air pressures.

Quite often, both characteristics are required. To obtain them, heating and ventilating engineers have had to harness two or more fans in combination – not a satisfactory recourse this half of the twentieth century!

So NEL have developed a mixed-flow fan which gives the best of both worlds in a single compact unit. They have also added a high degree of stability by fitting guide vanes in front of the impeller, thus preventing tip stalling at certain speeds.

Problems with fluids

Flows of a different nature have kept another NEL team busy since 1956 calibrating instruments for measuring water movement in pipes. Both in the laboratory and at hydro-electric and nuclear power stations they have been perfecting accurate methods of flow measurement, among them salt-dilution techniques.

Oil flows are another point of concern at the laboratory. One big problem facing manufacturers and users of hydraulic equipment is the effect of air locks in the oil circuit. This can cause sluggish ram operation, instability in servo mechanisms, and inefficiency, noise and accelerated wear in pumps. NEL have developed instruments for measuring the amount of entrained and dissolved air. They offer a service to industry on problems involving air in working fluids.

Another laboratory concerned with fluid power is the British Hydromechanics Research Association. Like the chain which is only as strong as its weakest link, oil circuits are only as efficient as their seals. And for peak effectiveness, these call for a delicate balance between fitting tight enough to prevent too much oil loss, with a resulting pressure drop, and not so tight that reciprocating shafts, say, run dry. Research into the question is still at an early stage, but it has already been found that two ring seals together bring an appreciable reduction in leakage. More, however, tend to increase friction.

Ceramics at work

As engineering temperatures and voltages rise, the ceramics industry comes into its own, its joint research body, British Ceramics R.A., contriving always to keep one step ahead of each fresh demand. One aspect of their work is the drive to add high mechanical strength to the electrical resistance of ceramic high tension insulators. By mixing in large proportions of crystalline corundum, they have produced porcelains of an unglazed strength 50 per cent. greater than normal.

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LONDON INTERNATIONAL ENGINEERING EXHIBITION

AND THE INTERNATIONAL WELDING EXHIBITION

OLYMPIA & EARLS COURT 23 APRIL - 2 MAY 1963

SPONSORED BY: THE LONDON CHAMBER OF COMMERCE

The London International Engineering Exhibition and the International Welding Exhibition, housed in *both* of Britain's biggest exhibition halls—Olympia and Earls Court—and forming the largest exhibition of engineering equipment ever presented in the United Kingdom, will open on April 23, 1963.

With over 20 per cent. of exhibitors from overseas, representation will include the Commonwealth, all of the countries of Western Europe, Hungary, Japan, Poland, Yugoslavia, the United States and many other parts of the world. The exhibition will contain many thousands of engineering products—ranging from massive items of capital equipment down to small power units, instruments, components and accessories. Complementing this gigantic array will be the wide-ranging exhibition of welding equipment and processes—presenting a fully comprehensive picture of the very latest developments in this field.

Exhibitor	Venue	Hall	Floor	Stand No.
Access Equipment Ltd.	Earls Court		Ground	47
Accles & Pollock Ltd.	Olympia	Grand	Gallery	49
Acral Limited	Olympia	National	Gallery	19
Adapta Charts Ltd.	Olympia	Empire	Ground	329
Admiralty, Department of the Chief of Naval Information	Olympia	Grand	Ground	126
Air Automation	Olympia	Grand	Gallery	19
Air Tools & Accessories Ltd.	Olympia	Grand	Gallery	35
Airflow Developments Ltd.	Olympia	Grand	Gallery	11
Airlite Venetian Blind Co.	Earls Court		Ground	131
Akustische & Kino-Gerate (See Austria)	Earls Court		Ground	42
Alcan International Ltd. (See Canadian Government)	Olympia	Grand	Ground	64
Aldridge Tool & Engrg. Co. Ltd.	Olympia	Empire	Ground	302
Allspeeds Ltd.	Olympia	National	Gallery	
Alm Press Division, James Show Company (See Canada)	Olympia	Grand	Ground	64
Almco Supersheen	Olympia	Grand	Gallery	9
Aluminium Bronze Co. Ltd. (See Solar Industries Ltd.)	Earls Court		Ground	131
American Instrument (See: C. T. (London) Ltd.)	Earls Court		Ground	97
Amot Controls Ltd.	Olympia	Grand	Gallery	25
Anderston Clyde Engineering Ltd.	Earls Court		Ground	127
Anderton Springs Ltd.	Olympia	Grand	Gallery	1
Andre Rubber Co. Ltd.	Olympia	Grand	Gallery	4
Anemostat (Scotland) Ltd. (See: Solar Industries)	Earls Court		Ground	131
Angus, George, & Co. Ltd. Belting and Rubber Hose Division.	Earls Court		Ground	79
Angus, George, & Co. Ltd., Gear Division	Earls Court		Ground	79
Angus, George, & Co. Ltd., Oil Seal Division	Earls Court		Ground	79
Art Metals Inc.	Olympia	Grand	Gallery	48
Ashley Brothers	Olympia	Empire	Ground	302
Aslib (See: Department of Scientific and Industrial Research)	Earls Court		Ground	12 & 18
Associated British Combustion Ltd.	Olympia	Grand	Ground	94
Atkinson's of Clitheroe Ltd.	Earls Court		Ground	131
Atlas Copco (Great Britain) Ltd.	Olympia	Grand	Ground	82
Atlas-Werks A.B.	Earls Court		Ground	67
Atomic Energy of Canada Ltd., Commercial Products Division (See: Canadian Government)	Olympia	Grand	Ground	64
Austin Motor Co. Ltd.	Olympia	Grand	Ground	93
Austinlite Ltd. (See: J. Stone & Co. (Holdings) Ltd.)	Olympia	Empire	Ground	312
Austria, Bundeskammer der Gewerblichen Wirtschaft	Earls Court		Ground	42
Auto-Kleen Strainers Ltd.	Olympia	Grand	Ground	44
Auto Tempo Meter Co. Ltd.	Earls Court		Ground	22
Automotive Engineering Ltd.	Olympia	Empire	First	7
Automotive Products Co. Ltd.	Olympia	National	Gallery	8
Avdel Ltd.	Earls Court		Ground	111
Avery, W. & T., Ltd.	Olympia	Grand	Ground	106
Avica Equipment Limited and Weatherhead Manufacturing Co. (Gt. Britain) Ltd.	Olympia	National	Gallery	2
Axia Fans Ltd.	Olympia	Grand	Ground	49
B. & K. Roller Die Company (See: Canadian Government)	Olympia	Grand	Ground	64
B.I.P. Engineering Ltd. (See: Turner & Newall Ltd.)	Earls Court		Ground	84
B.S.A. Small Tools Ltd. (See: Gauge and Tool Makers' Assoc..)	Olympia	Empire	Ground	302
B.S.P. Industries Ltd.	Olympia	Empire	First	2
BTR Industries Ltd.	Olympia	Grand	Ground	84
B.W. Valve Co. Ltd. (See: Charles Winn & Co. Ltd.)	Olympia	Grand	Gallery	44
Bance, J. H. & Co. Ltd.	Earls Court		Ground	62
Barclays Bank Ltd.	Earls Court		Ground	28
Barlow-Whitney Ltd.	Earls Court		Ground	9
Bassett-Lowke Ltd.	Olympia	Grand	Ground	92
Batwin Electric Motors Ltd. (See: B.O.B.M.A.)	Olympia	Empire	Ground	321
Baty, J. E. & Co. Ltd. (See: Gauge and Tool Makers' Assoc.)	Olympia	Empire	Ground	302
Baur Phys. techn. Werkstatten (See: Austria)	Earls Court		Ground	42
Bauser, Julius, Kontrolluhrenfabrik (See: Londex Ltd.)	Earls Court		Ground	118
Bawn, W. B. & Co. Ltd.	Earls Court		Ground	103
Bayham Ltd.	Olympia	Grand	Gallery	38
Beakbane, Henry (Fortox) Ltd.	Olympia	Grand	Gallery	7
Beaumont, F. E., Ltd.	Earls Court		Ground	45
Beldam Asbestos Co. Ltd.	Olympia	Grand	Ground	44
Beldam Packing & Rubber Co. Ltd.	Olympia	Grand	Ground	22
Bellis Morcom Ltd.	Earls Court		Ground	76
Benedikt & Jager, Elektrowerkstatten (See- Austria)	Earls Court		Ground	42
Binder, Ludwig & Co. (See: Austria)	Earls Court		Ground	42
Bird, W. H. & Sons Ltd. (See: Marshall-Howlett Ltd.)	Olympia	National	Gallery	6
Birkett, Francis W. & Sons Ltd.	Earls Court		Ground	123
Birkett, T. M.	Earls Court		Ground	15
Birmid Industries Ltd.	Olympia	Grand	Ground	34
Birmingham Tool & Gauge Co. Ltd. (See: Gauge and Tool Makers' Assoc.)	Olympia	Empire	Ground	302
Birshall Ltd.	Olympia	Grand	Gallery	19
Blakeborough, J., & Sons Ltd.	Olympia	Grand	Ground	90
Bloctube Controls Ltd.	Olympia	Grand	Ground	7
Boesch Manufacturing Division Waltham Precision Instrument Co. Inc.	Olympia	Grand	Gallery	7
Boma Engineering (Bilston) Ltd. (See: Gauge and Tool Makers' Assoc.)	Olympia	Empire	Ground	302
Bowers, T., & Co. (Toolmakers) Ltd. (See: Gauge and Tool Makers' Assoc.)	Olympia	Empire	Ground	302
Bowmaker (Commercial) Ltd.	Earls Court		Ground	88
	Olympia	National	Gallery	27
Bradley & Co. Ltd.	Olympia	Empire	Ground	310
Bradley, G. & E., Ltd. (See: Joseph (Electrical) Ltd.)	Olympia	Grand	Ground	56
Braithwaite, Isaac, & Son, Engrs. Ltd.	Olympia	Grand	Ground	120
Bristol Tool & Gauge Co. Ltd. (See: Gauge and Tool Makers' Assoc.)	Olympia	Empire	Ground	302
British Aero Components Ltd. (See: Gauge and Tool Makers' Assoc.)	Olympia	Empire	Ground	302
British Arca Regulators Ltd.	Earls Court		Ground	76
British Brown-Boveri Ltd.	Earls Court		Ground	54
British Ceramic Research Association (See: Department of Scientific and Industrial Research)	Earls Court		Ground	12 & 18
British Ermeto Corporation Ltd.	Olympia	Grand	Gallery	47
British Hydromechanics Research Association (See: Department of Scientific and Industrial Research)	Earls Court			12 & 18
British Indicators Ltd. (See: Gauge and Tool Makers' Assoc.)	Olympia	Empire	Ground	302
British Internal Combustion Engine Research Association (See: Department of Scientific and Industrial Research)	Earls Court		Ground	12 & 18
British Manufacture & Research Co. Ltd.	Earls Court		Ground	91
British Non-Ferrous Metals Research Association (See: Department of Scientific and Industrial Research)	Earls Court		Ground	12 & 18
British Oil Burner Manufacturers' Association	Olympia	Empire	Ground	321
British Oil Burners Ltd. (See: B.O.B.M.A.)	Olympia	Empire	Ground	321
British Rototherm Co. Ltd.	Olympia	Grand	Gallery	12
British Standards Institution	Olympia	National	Gallery	22

Exhibitor	Venue	Hall	Floor	Stand No.
British Steam Specialties Ltd.	Olympia	Grand	Ground	76
British Steel Castings Research Association	Earls Court		Ground	12 & 18
(See: Department of Scientific and Industrial Research)				
British Welding Research Association	Earls Court		Ground	12
(See: Department of Scientific and Industrial Research				& 18
Brockhouse Castings Ltd.	Olympia	Grand	Ground	38
(See: J. Brockhouse & Co. Ltd.)				
Brockhouse Heater Co. Ltd.	Olympia	Grand	Ground	38
(See: J. Brockhouse & Co. Ltd.)				
Brockhouse, J., & Co. Ltd.	Olympia	Grand	Ground	38
Brockhouse, J., & Co. Ltd. (Drop Forg. to Div.)	Olympia	Grand	Ground	38
(See: J. Brockhouse & Co. Ltd.)				
Bronx Engineering Co. Ltd.	Olympia	Grand	Ground	42
Brook Motors Ltd.	Earls Court		Ground	48
Brooke Tool Manufacturing Co. Ltd.	Olympia	Empire	Ground	302
(See: Gauge and Tool Makers' Assoc.)				
Brooks & Walker Ltd.	Olympia	National	Gallery	3
Broomfield Engineering Co. Ltd.	Olympia	Empire	Ground	302
(See: Gauge and Tool Makers' Assoc.)				
Brown, David, Industries, Ltd.	Olympia	Grand	Ground	53
Brown, S. G., Ltd.	Earls Court		Ground	74
Bruynzeel Wood Products Ltd.	Olympia	Empire	First	16
Budworth, David, Ltd.	Olympia	Grand	Gallery	24
Bullfinch (Gas Equipment) Ltd.	Olympia	Grand	Ground	16
Burman, H. P., Ltd.	Olympia	Grand	Gallery	6
Burndept Ltd.	Olympia	Grand	Gallery	27
Burnerd, F., & Co. Ltd.	Olympia	Empire	Ground	302
Burnley Aircraft Products Ltd.	Earls Court		Ground	131
Burton Delingpole & Co. Ltd.	Olympia	Grand	Ground	29
(See: London & Midland Steel Scaffolding Co. Ltd.)				
Bury & Masco Industries Ltd.	Earls Court		Ground	117
(See: Gauge and Tool Makers' Assoc.)				
Butterfield, W. P. (Engineers) Ltd.	Earls Court		Ground	115
C.A.V. Ltd.	Olympia	Grand	Ground	56
(See: Joseph Lucas (Electrical) Ltd.)				
C.I.T. Financial Corporation	Olympia	National	Gallery	7
(See: Unifinance (U.K.) Ltd.)				
C.T. (London) Ltd.	Earls Court		Ground	97
CTC, A.B., Stockholm	Olympia	Empire	Ground	311
(See: CTC Heat (London) Ltd.)				
CTC Heat (London) Ltd.	Olympia	Empire	Ground	311
Calor Gas (Distributing) Co. Ltd.	Olympia	Empire	Ground	315
Caltex (U.K.) Ltd.	Olympia	Empire	Ground	316
(See: Regent Oil Co. Ltd.)				
Canadian Acceptance Corporation Ltd.	Olympia	National	Gallery	7
(See: Unifinance (U.K.) Ltd.)				
Canadian Government Exhibition Commission	Olympia	Grand	Ground	64
Canadian Westinghouse Co. Ltd.	Olympia	Grand	Ground	64
(See: Canada)				
Canning, W., & Co. Ltd.	Earls Court			19B
Cape Insulation & Asbestos Products Ltd.	Olympia	Empire	Ground	306
Capp, A., & Son Ltd.	Olympia	Grand	Gallery	37
Carter Gears Ltd.	Olympia	Empire	Ground	313
Carter-Stevens (Automation) Ltd.	Olympia	Grand	Ground	91
(See: Desoutter Bros. Ltd.)				
Carver & Co. (Engrs.) Ltd.	Olympia	Empire	Ground	322
Castrol Industrial Ltd.	Olympia	Grand	Gallery	10
Cekop	Olympia	Grand	Ground	85
(See: Polish Chamber of Foreign Trade)				
Centrax Ltd.	Earls Court		Ground	113
Centrozap, Foreign Trade Enterprise	Olympia	Grand	Ground	85
(See: Polish Chamber of Foreign Trade)				
Chadburns (Liverpool) Ltd.	Olympia	Grand	Ground	67
Chamberlain Industries Ltd.	Olympia	Grand	Ground	35
Channel Tool Distributors Ltd.	Earls Court		Ground	98
Chaseside Engineering Co. Ltd.	Earls Court		Ground	99
Chatwin, Thomas, & Co.	Olympia	Grand	Ground	38
(See: J. Brockhouse & Co. Ltd.)				
Chemical & Insulating Co. Ltd., The	Olympia	Empire	Ground	320
(See: Darlington Chemicals Ltd.)				
Chesterfield Tube Co. Ltd.	Olympia	Grand	Ground	97
Chesterman, James, & Co. Ltd.	Olympia	Empire	Ground	302
(See: Gauge and Tool Makers' Assoc.)				
Citroen Engrenages et Reducteurs	Olympia	Grand	Ground	36
Clan Limited	Olympia	Grand	Gallery	31
Clarke Chapman & Co. Ltd.	Olympia	Grand	Ground	40
Cobalt Information Centre	Earls Court		Ground	13
Cobham, Alan, Engineering Ltd.	Olympia	Grand	Ground	24
Cohen, George, Machinery Ltd.	Olympia	Grand	Ground	103
Coley Bros. (Tools) Ltd.	Olympia	Empire	Ground	302
(See: Gauge and Tool Makers' Assoc.)				
Comet Pump & Engineering Co. Ltd.	Olympia	National	Gallery	6
Concordia G.m.b.H.	Earls Court		Ground	118
(See: Londex Ltd.)				
Cooper Rolling Bearings Co. Ltd.	Olympia	Grand	Ground	30
Copes Regulators Ltd.	Olympia	Grand	Gallery	21
Copper Promotion Producers' Committee	Earls Court		Ground	36
Cossor, A. C., Ltd.	Earls Court		Ground	51
Cossor Communications Co. Ltd.	Earls Court		Ground	51
(See: A. C. Cossor Ltd.)				
Cossor Electronics Ltd.	Earls Court		Ground	51
(See: A. C. Cossor Ltd.)				
Cossor Instruments Ltd.	Earls Court		Ground	51
(See: A. C. Cossor Ltd.)				
Coventry Gauge & Tool Co. Ltd.	Olympia	Empire	Ground	302
(See: Gauge and Tool Makers' Assoc.)				
Cradley Boiler Co. Ltd.	Olympia	Grand	Ground	88
Crane Packing Ltd.	Olympia	National	Gallery	5
Crawford Collets Ltd.	Olympia	Empire	Ground	302
(See: Gauge and Tool Makers' Assoc.)				
Crofts (Engineers) Ltd.	Earls Court		Ground	81
Crouzet England Ltd.	Olympia	Grand	Gallery	33
Crown Pump Manufacturing Co. Ltd.	Olympia	Olympia	Gallery	13
D.M. Industrial Plastics Ltd.	Olympia	Grand	Gallery	44
Dale Electric (Yorkshire) Ltd.	Earls Court		Ground	114
Dargue Brothers Ltd.	Earls Court		Ground	23
Darlington Chemicals Ltd.	Olympia	Empire	Ground	320
Darlington Insulation Co. Ltd.	Olympia	Empire	Ground	320
(See: Darlington Chemicals Ltd.)				
Deber-Kontroll, AB	Olympia	National	Gallery	11
Delaney Gallay Ltd.	Earls Court		Ground	102
(See: Lindustries Ltd.)				
Delta Metal Co. Ltd.	Earls Court		Ground	46
Denco Engineering Services Ltd.	Earls Court		Ground	130
Dendix Brushes Ltd.	Olympia	National	Gallery	15
Dnison Deri Ltd.	Olympia	Empire	First	48
Denison, Samuel, & Son Ltd.	Olympia	Empire	Ground	305
Department of Scientific and Industrial Research	Earls Court		Ground	12 & 18
Designex (Coventry) Ltd.	Olympia	Empire	Ground	302
(See: Gauge and Tool Makers' Assoc.)				
Desoutter Brothers Ltd.	Olympia	Grand	Ground	91
Desoutter Products Ltd.	Olympia	Grand	Ground	91
(See: Desoutter Brothers Ltd.)				
Deuta-Werke	Earls Court		Ground	22
Deutsche Fernsprecher, Gesellschaft, m.b.H.	Earls Court		Ground	118
Deutsche Werft A.G.	Earls Court		Ground	63
Deyle, Elektrobua	Earls Court		Ground	30
(See: Verrolec Ltd.)				
Diagrit Diamond Tools Ltd.	Olympia	Empire	Ground	302
(See: Gauge and Tool Makers' Assoc.)				
Disco Simplabelt Drives Ltd.	Olympia	Grand	Gallery	38
Dowty Group Ltd.	Earls Court		Ground	108
Draftex Ltd.	Earls Court		Ground	131
(See: Solar Industries)				
Drum Engineering Co. Ltd.	Olympia	National	Gallery	16
Dunedin Engineering Co. Ltd.	Olympia	Grand	Ground	5
Dynex Company	Olympia	Empire	First	32
E.D.O.S. Engineering Ltd.	Olympia	National	Gallery	3
Egger, Emile Cressier, Neuchatel	Earls Court		Ground	83C
Elektokovina	Earls Court		Ground	124
(See: Yugoslavian Institute for Economic Publicity Abroad)				& 125
Elektrim Ltd.	Olympia	Grand	Ground	85
(See: Polish Chamber of Foreign Trade)				
Electrolyzer Corporation Ltd.	Olympia	Grand	Ground	64
(See: Canada)				
Elliott, B. (Machinery) Ltd.	Olympia	Empire	Ground	308
Elliston, Evans & Jackson Ltd.	Olympia	Empire	First	5
Emerson Walker Ltd., Plastics Machinery	Olympia	Grand	Ground	40
(See: Clarke Chapman & Co. Ltd.)				
Engineer, The, Morgan Brothers (Publishers) Ltd.	Olympia	Grand	Ground	41
'Engineering'	Olympia	Grand	Ground	68
Engineering & Technical Publications Ltd.	Olympia	Grand	Gallery	18
Engineer's Digest	Olympia	Grand	Gallery	23
English Electric Co. Ltd.	Earls Court		Ground	109
English Electric Co. Ltd., The, Actuator Sales Division	Olympia	Grand	Ground	47
Epsylon Industries Ltd.	Olympia	Empire	Ground	312
(See: J. Stone & Company (Holdings) Ltd.)				
Escher Wyss (U.K.) Ltd.	Earls Court		Ground	78
Esso Petroleum Co. Ltd.	Olympia	Grand	Ground	31
Etablissements Mingori	Olympia	Grand	Ground	87
Etablissements Reich	Earls Court		Ground	30
(See: Verrolec Ltd.)				
Eumig Elektrizitats und Metallwaren Industrie	Earls Court		Ground	42
(See:Austria)				
Exactor Ltd.	Olympia	Empire	First	6
(See: Sterling Industries Ltd.)				
Expert Tool Group	Earls Court		Ground	61
Fabrika Kablova	Earls Court		Ground	124
(See: Yugoslavian Institute for Economic Publicity Abroad)				& 125
Fairey Engineering Ltd.	Olympia	Empire	Ground	307
Fairlon Engineering	Olympia	Grand	Gallery	17
Fein, C. & E.	Earls Court		Ground	30
(See: Verrolec Ltd.)				
Felco Hoists Ltd.	Olympia	Grand	Ground	27
Feldmuehle	Earls Court		Ground	30
(See: Verrolec Ltd.)				
Fenner, J. H., & Co. Ltd.	Earls Court		Ground	69
Fenter Machine Tools Ltd.	Earls Court		Ground	8
Fentiman, F., & Sons Ltd., Triodetic Structures Division	Olympia	Grand	Ground	64
(See: Canada)				
Ferrodo Ltd.	Earls Court		Ground	84
(See: Turner & Newall Ltd.)				
Ferrostatics Ltd.	Olympia	Empire	Ground	302
(See: Gauge and Tool Makers' Assoc.)				
Fielden Electronics Ltd.	Olympia	Grand	Ground	63
(See: Hopkinsons Ltd.)				
Filhol, J. P., Ltd.	Olympia	National	Gallery	1
Film Cooling Towers (1925) Ltd.	Olympia	Grand	Gallery	35
Firth, Wm., & Co. Ltd.	Earls Court		Ground	33
Fisher Gauge Works Ltd.	Olympia	Grand	Ground	64
(See: Canada)				
Fleming Birkby & Goodall Ltd.	Earls Court		Ground	123
(See: Francis W. Birkett & Sons Ltd.)				
Flexible Drives (Gilmans) Ltd.	Olympia	Grand	Ground	99
Flight Refuelling Ltd.	Olympia	Grand	Ground	25
Fluidrive Engineering Co. Ltd.	Olympia	Grand	Ground	95
Fodens Ltd.	Earls Court		Ground	43
Fonovits Ing. Richard KG	Earls Court		Ground	42
(See Austria)				

(*Continued on next page*)

Exhibitor	Venue	Hall	Floor	Stand No.
Forte Machinenfabrik (See: Verrolec Ltd.)	Earls Court		Ground	30
Fowler, John, & Co. (Leeds) Ltd. (See: Marshall, Sons & Co. Ltd.)	Earls Court		Ground	80
Fox & Offord Ltd.	Olympia	Empire	Ground	302
Fractional H.P. Motors Ltd. (See: Lindustries Ltd.)	Earls Court		Ground	102
Fraser & Fraser Ltd.	Olympia	Grand	Ground	119
Funditor Ltd.	Earls Court		Ground	73
Gallwey Sir John (Instruments) Ltd.	Earls Court		Ground	134
Garringtons Ltd.	Olympia	Grand	Ground	18
Gas Council, The	Olympia	Grand	Ground	19
Gascoigne, Geo. H., Co. Ltd.	Earls Court		Ground	93
Gauge & Tool Makers' Assoc.	Olympia	Empire	Ground	302
Gearmatic Co. Ltd. (See: Canada)	Olympia	Grand	Ground	64
Gem Power Brushes Ltd. (See: Dendix Brushes Ltd.)	Olympia	National	Gallery	15
General Descaling Co. Ltd.	Olympia	Empire	Ground	304
General Precision Systems Ltd.	Earls Court		Ground	52
Gerard Mang (See: Londex Ltd.)	Earls Court			118
Glacier Metal Co. Ltd.	Olympia	Grand	Gallery	40
Glenfield & Kennedy Ltd.	Olympia	Grand	Ground	89
Gloucester Controls Ltd. (See: Serck Radiators Ltd.)	Olympia	Grand	Ground	70
Godfrey, Sir George, & Partners (Industrial) Ltd.	Olympia	Grand	Gallery	11
Goodyear Pumps Ltd. (Holman Group)	Olympia	Empire	Ground	301
Gould, J. S., Ltd. (See: Gauge and Tool Makers' Assoc.)	Olympia	Empire	Ground	302
Goyen Control Co. Pty. Ltd.	Earls Court		Ground	37A
Grinding Improvements (Edinburgh) Ltd.	Olympia	Empire	First	52
Guelph Engineering Company (See: Canada)	Olympia	Grand	Ground	64
H.M.C.Wheels Ltd.	Olympia	Grand	Gallery	29
Haigh Engineering Co. Ltd.	Olympia	Grand	Gallery	43
Hall & Hall Ltd.	Olympia	Grand	Ground	100
Hall-Thermotank Group	Olympia	Grand	Ground	49
Hammond Engineering Co. Ltd.	Olympia	National	Gallery	12
Hamworthy Engineering Co., Ltd,	Olympia	Grand	Ground	
Hardinge Machine Tools Ltd. (See: Gauge and Tool Makers' Assoc.)	Olympia	Empire	Ground	302
Harvey, G. A., & Co. (London) Ltd.	Olympia	Grand	Ground	52
Hattersley (Ormskirk) Ltd.	Earls Court		Ground	71
Hauerwas, August Maschinenbau	Olympia	National	Gallery	10
Haycock Gauge & Tool Co. Ltd. (See: Gauge and Tool Makers' Assoc.)	Olympia	Empire	Ground	302
Hayward Tyler & Co. Ltd. (See: J. Stone & Co. (Holdings) Ltd.)	Olympia	Empire	Ground	312
Headland Gauges Ltd. (See: Gauge and Tool Makers' Assoc.)	Olympia	Empire	Ground	302
Heating Elements Ltd. (See: Lindustries Ltd.)	Earls Court		Ground	102
Heatrae Limited	Earls Court		Ground	26
Heenan Group Ltd.	Earls Court		Ground	82
Heller & Son (Engineers) Ltd.	Olympia	National	Gallery	2
Hepworth & Grandage Ltd.	Olympia	National	Gallery	17A
Herbert, Alfred, Ltd.	Olympia	Grand	Ground	55
'Herold' Vereinigte, Anzeigenges, m.b.H. (See: Austria)	Earls Court		Ground	42
Hill, C. & L., Ltd.	Olympia	Grand	Ground	105
Hilmor Ltd.	Olympia	Grand	Ground	121
Hindmarch, T., & Co. Ltd. (See: Modern Wheel Drive Ltd.)	Olympia	Grand	Ground	33
Hobson, H. M., Ltd.	Earls Court		Ground	31
Hofman Tool & Engineering Co. Ltd. (See: Gauge and Tool Makers' Assoc.)	Olympia	Empire	Ground	302
Holroyd John & Co. Ltd.	Olympia	Empire	First	38
Holt, James (Engineers), Ltd.	Olympia	Grand	Ground	58
Holt & Mosedale Ltd. (See: Gauge and Tool Makers' Assoc.)	Oympia	Empire	Ground	302
Hope's Heating & Engineering Ltd. (See: B.O.B.M.A.)	Olympia	Empire	Ground	321
Hopkinson Ltd.,	Olympia	Grand	Ground	63
Hortsmann Gear Co. Ltd., See: Gauge and Tool Makers' Assoc.)	Olympia	Empire	Ground	302
Howden, Jas., & Co. Ltd.,	Olympia	Grand	Ground	50
Hoyt Metal Co. of Great Britain Ltd.,	Olympia	Grand	Gallery	22
Hubbard Combustion Ltd.	Olympia	Grand	Ground	46
Hughes-Johnson Stampings Ltd.,	Olympia	Grand	Gallery	30
Hunt Heat Exchangers Ltd., (See: Hunt & Moscrop Ltd.)	Olympia	Empire	Ground	309
Hunt & Moscrop Ltd.,	Olympia	Empire	Ground	309
Hunt, R. &. Co. Ltd.	Olympia	Grand	Gallery	40
Hunt, R. J. & Son Ltd. (See: J. Brockhouse & Co. Ltd.)	Olympia	Grand	Ground	38
Hyde, Robert & Son, Ltd. (See: J. H. Bance & Co. Ltd.)	Earls Court		Ground	62
Hydraulics & Pneumatics Ltd. (See: Turner Manufacturing Group of Companies)	Olympia	Empire	Ground	319
Ilford Ltd.	Olympia	Empire	First	18
Imhof, Alfred Ltd.,	Earls Court		Ground	
Impol (See: Yugoslavian Institute for Economic Publicity Abroad)	Earls Court		Ground	124 & 125
Ina Needles Bearings Ltd.	Earls Court		Ground	10
Indusmond (Diamond Tools) Ltd. (See: Gauge and Tool Makers' Assoc.)	Olympia	Empire	Ground	302
Industrial & Commercial Finance Corp. Ltd.	Olympia	Empire	First	17
Ingenieur Digest (See: Engineers Digest.)	Olympia	Grand	Gallery	23
Ingersoll Locks Ltd.	Olympia	Grand	Gallery	13
Interexport (See: Yugoslavian Institute for Economic Publicity Abroad)	Earls Court		Ground	124 & 125
Intermit Ltd.	Olympia	Grand	Gallery	42
International Nickel Co. of Canada Ltd. (See: Canadian Government)	Olympia	Grand	Ground	64
International Nickel Co. (Mond.), Ltd.	Olympia	Grand	Ground	75
International Research & Development Co. Ltd.	Earls Court		Ground	35
Invest—Import (See- Yugoslavian Institute for Economic Publicity Abroad)	Earls Court		Ground	124 & 125
Iskra, Kranj (See: Yugoslavian Institute for Economic Publicity Abroad)	Earls Court		Ground	124 & 125
J. L. S. Engineering Co. Ltd.	Olympia	National	Gallery	7
Jakobowitz (See: Austria)	Earls Court		Ground	42
Jamesbury-Serck Ltd. (See: Serck Radiators)	Olympia	Grand	Ground	70
Japan—External Organization (Jetro)	Earls Court		Ground	60
Jedinstvo, Somborska cesta (See: Yugoslavian Institute for Economic Publicity Abroad)	Earls Court		Ground	124 & 125
Jenkinson, W. G., Ltd.	Olympia	Grand	Gallery	12
Jones, A. A., & Shipman Ltd. (See: Gauge and Tool Makers' Assoc.)	Olympia	Empire	Ground	302
K.D.G. Industries Ltd.	Earls Court		Ground	20
KSB Klein, Schanzlin & Becker AG.,	Earls Court		Ground	101
Kabelschlepp G.m.b.H.	Olympia	Empire	First	3
Kalmar Verkstads, A. B., Kalmar (See: Rolls Royce, Ltd.)	Olympia	Grand	Ground	79
Karajan, Ing. (See: Austria).	Earls Court		Ground	42
Kaye Alloy Castings Ltd. (See: J. Brockhouse & Co. Ltd.)	Olympia	Grand	Ground	38
Keir, Alan, Ltd. (See: Gauge and Tool Makers' Assoc.)	Olympia	Empire	Ground	302
Kennedy, W., Ltd.	Olympia	Grand	Ground	23
Kidric, Boris (See: Yugoslavian Institute for Economic Publicity Abroad)	Earls Court		Ground	124 & 125
Kiepe Vertriebsgesellschaft, m.b.H. (See Londex Ltd.)	Earls Court		Ground	118
Kiepe Weset G.m.b.H. (See: Londex Ltd.)	Earls Court		Ground	118
Kingsland Engineering Co. Ltd.	Earls Court		Ground	29
Kingston Engineering Co. Ltd. (See: Marshall-Howlett)	Olympia	National	Gallery	6
Kinnis & Brown Ltd.	Olympia	Grand	Gallery	39
Kleen-E-Ze-Brush Co. Ltd., Industrial Division.	Earls Court		Ground	116
Klinger, Richard, Ltd.	Olympia	Grand	Ground	28
Kohmaier Franz & Sohn OHG. (See: Austria)	Earls Court		Ground	42
Koncar Rade, Fallerovo Setaliste. (See: Yugoslavian Institute for Economic Publicity Abroad)	Earls Court		Ground Floor	124 & 125
Korting. (See: C.T.(London) Ltd.)	Earls Court		Ground	97
Kuhnle, Kopp & Kausch A.G.	Olympia	Grand	Ground	54
Lancashire & Merseyside Industrial Development Association	Earls Court		Ground	21
London, R. F., & Partners Ltd. (See: B.O.B.M.A.)	Olympia	Empire	Ground	321
Lang Pneumatic Ltd.	Earls Court		Ground	55
Lansing Bagnall Ltd.	Earls Court		Ground	70
Lapointe Machine Tool Co. Ltd. (See: Gauge and Tool Makers' Assoc.)	Olympia	Empire	Ground	302
Laurence Scott & Electromotors Ltd.	Olympia	Grand	Ground	80
Le Grand, Sutcliffe & Gell Ltd. (See: J. Stone & Co. (Holdings) Ltd.)	Olympia	Empire	Ground	312
Lehmann, Archer & Lane Ltd. (See: Gauge and Tool Makers' Assoc.)				
Levertons (Industrial) Ltd. (See: Fred Myers Ltd)	Earls Court		Ground	75A
Leyland Motors Ltd.	Olympia	Grand	Ground	69
Leytonstone Jig & Tool Co. Ltd. (See: Gauge and Tool Makers' Assoc.)	Olympia	Empire	Ground	302
Light & Power Accessories Co. Ltd., The	Earls Court		Ground	37
Limitorque Valve Controls Ltd. (See: Opperman Gears Ltd.)	Earls Court		Ground	56
Lindley, C., & Co. Ltd.	Olympia	Empire	First	4
Lindustries Ltd.	Earls Court		Ground	102
Litostroj, Djakoviceve (See: Yugoslavian Institute for Economic Publicity Abroad)	Earls Court		Ground	124 & 125
Livingstone Laboratories Ltd.	Olympia	Grand	Gallery	2
Lloyds Bank Ltd.	Earls Court		Ground	105
Lockheed Precision Products Ltd.	Olympia	Grand	Ground	43
Lombank Ltd.	Earls Court		Ground	16
Londex Ltd.	Earls Court		Ground	118
London Life Association Ltd.	Olympia	Grand	Gallery	16
London & Midland Steel Scaffolding Co. Ltd.	Olympia	Grand	Ground	29
London & Scandinavian Metallurgical Co. Ltd. (See: Gauge and Tool Makers' Assoc.)	Olympia	Empire	Ground	302
London Telecommunications, G.P.O.	Olympia	Grand	Gallery	16
	Earls Court		Ground	89
Loxhams Engineering Works Ltd.	Olympia	Grand	Gallery	23
Lucas Industrial Equipment Ltd.	Olympia	Grand	Ground	56
Lucas, Joseph, (Electrical), Ltd.	Olympia	Grand	Ground	56
Lufthansa,German Airlines,	Olympia	Grand	Ground	2
Lumatic Ltd.	Olympia	Empire	First	9
M.G.A. Maschinen- und Apparatebau Gesellschaft, m.b.H. Puntigamerstr. (See: Austria)	Earls Court		Ground	42

Exhibitor	Venue	Hall	Floor	Stand No.
M.B.C. (Office Systems) Ltd.	Earls Court		Ground	135
M.P.J. Gauge & Tool Co. Ltd. (See: Gauge and Tool Makers' Assoc.)	Olympia	Empire	Ground	302
"Machinery Market" Ltd., The	Olympia	Grand	Gallery	15
Machinery Publishing Co. Ltd.	Olympia	Grand	Gallery	9
Macready's Metal Co. Ltd.	Olympia	Empire	First	15
Madan, Charles, S. & Co. Ltd.	Olympia	Grand	Gallery	29
Magnohrom, Kraljevo. (See: Yugoslavian Institute for Economic Publicity Abroad	Earls Court		Ground	124 125
Maier & Co. (See: Austria)	Earls Court		Ground	42
Manzell Division of Wm. Coulthard & Co. Ltd.	Olympia	Grand	Gallery	17
Mariborska, Livarna, Heroja Jevtica (See: Yugoslavian Institute for Economic Publicity Abroad)	Earls Court		Ground	124 & 125
Mariner, W. J., & Co. Ltd. (See: Opperman Gears Ltd.)	Earls Court		Ground	56
Marley, W. H., & Co. Ltd. (See: Gauge and Tool Makers' Assoc.)	Olympia	Empire	Ground	302
Marshall, Peter (Valves) Ltd. (See: Pegler & Louden Ltd.)	Olympia	Grand	Gallery	32
Marshall Sons & Co. Ltd.	Earls Court		Ground	80
Marshall-Howlett Ltd.	Olympia	National	Gallery	6
Martonair Ltd.	Olympia	Empire	First	33
Marwin (Anstey) Ltd.	Olympia	Grand	Gallery	25
Masino-Impex, Varsavska (See: Yugoslavian Institute for Economic Publicity Abroad)	Earls Court		Ground	124 & 125
Mawdsleys Ltd.	Olympia	Grand	Ground	39
Maybrey, H. J., & Co. Ltd.	Olympia	National	Gallery	8
Mead, McLean & Co. Ltd. (See: J. Stone (Holdings) Ltd.)	Olympia	Empire	Ground	312
Mechanical Equipments Ltd. (See: Wheway, Watson & McLean)	Earls Court		Ground	112
Mercantile Credit Co. Ltd.	Olympia	Grand	Gallery	46
Mersey Docks & Harbour Board	Olympia	Grand	Gallery	28
Metal Atomizing & Processing Corp. Ltd. (See: Canadian Government)	Olympia	Grand	Ground	64
Metalexport. (See: Polish Chamber of Foreign Trade)	Olympia	Grand	Ground	85
Metallisation Ltd.	Olympia	Grand	Ground	117
Metalock (Britain) Ltd.	Olympia	Grand	Gallery	5
Metco Ltd.	Olympia	Grand	Ground	9
Metron Ltd. (See: Gauge and Tool Makers' Assoc.)	Olympia	Empire	Ground	302
Middlesex Tool & Gauge Co. Ltd. (See: Gauge and Tool Makers' Assoc.)	Olympia	Empire	Ground	302
Middleton Bowl Works Ltd. (See: Hunt & Moscrop Ltd.)	Olympia	Empire	Ground	309
Midland Bank Ltd., Premises Department	Earls Court		Ground	100
Midland Gauge & Tool Co. Ltd. (See: Gauge and Tool Makers' Assoc.)	Olympia	Empire	Ground	302
Midland Silicones Ltd.	Earls Court		Ground	24
Millspaugh Ltd., Engineering Division (See: Escher Wyss (U.K.) Ltd.	Earls Court		Ground	78
Mingori Ltd., Mingori Pipe Bending Centre	Olympia	Grand	Gallery	87
Miracle Sprayers (Distributors) Ltd.	Olympia	Grand	Gallery	20
Mobil Oil Co. Ltd.	Olympia	Empire	Ground	328
Modern Wheel Drive Ltd.	Olympia	Grand	Ground	33
Mohr & Federhaff, A.G.	Olympia	Grand	Ground	12 & 15
Moore & Wright (Sheffield) Ltd. (See: Gauge and Tool Makers' Assoc.)	Olympia	Empire	Ground	302
Morrison, Marshall & Hill Ltd.	Olympia	Empire	Ground	326
Mouldmakers (London) Ltd. (See: Gauge and Tool Makers' Assoc.)	Olympia	Empire	Ground	302
Myers, Fred, Ltd.	Earls Court		Ground	75A
National Engineering Laboratory (See: Department of Scientific and Industrial Research)	Earls Court		Ground	12 & 18
National Lending Library for Science and Technology (See: Department of Scientific and Industrial Research)	Earls Court		Ground	12 & 18
National Physical Laboratory (See Department of Scientific and Industrial Research)	Earls Court		Ground	12 & 18
National Provincial Bank Ltd., Premises Department	Olympia	Empire	Ground	317
National Trade Press	Earls Court		Ground	50
Netherlands Council for Trade Promotion (Cihan)	Earls Court		Ground	59
Netherlands Federation of Metal & Electrical Industries (See: Netherlands Council for Trade Promotion)	Earls Court		Ground	59
New Welbeck Ltd.	Earls Court		Ground	32
Newalls Insulation Co. Ltd. (See: Turner & Newall Ltd.)	Earls Court		Ground	84
Newton Abbot Engineering Co. Ltd.	Earls Court		Ground	27
Newton Bros. (Derby) Ltd.	Olympia	National	Gallery	55
Nikex Hungarian Trading Co. for Products of Heavy Industry	Earls Court		Ground	83
Non-Ferrous Die-Casting Co. Ltd.	Olympia	Grand	Ground	73
Noranda Sales Corp. Ltd. (See: Canadian Government)	Olympia	Grand	Ground	64
Norgren, C. A., Ltd. (See: Shipston Engineering Co. Ltd.)	Olympia	Grand	Ground	6
Northern Rubber Co. Ltd.	Olympia	Grand	Gallery	41
Norton, W. E. (Machine Tools) Ltd.	Olympia	Grand	Ground	58A
Nu-Way Heating Plants Ltd. (See: B.O.B.M.A.)	Olympia	Empire	Ground	321
Nuovo Pignone, Divioni Progetti Delgruppo Eni	Earls Court		Ground	3
Oddie Bradbury & Cull Ltd.	Olympia	Grand	Gallery	20
Ohmmacht, Friedrich, Elektronische Messgerate (See: Austria)	Earls Court		Ground	42
Oil-Operated Gears & Transmissions Ltd. (See: Modern Wheel Drive Ltd.)	Olympia	Grand	Ground	33
Oilgear Co. (G.B.) Ltd.	Olympia	Grand	Ground	109
Olin Mathieson Ltd.	Olympia	Empire	First	36
Opperman Gears Ltd.	Earls Court		Ground	56
Optical Measuring Tools Ltd. (See: Gauge and Tool Makers' Assoc.)	Olympia	Empire	Ground	302
Osmond, A. & S., Ltd.	Earls Court		Ground	6
Parlox Ltd.	Olympia	National	Gallery	16
Parmeko Ltd.	Earls Court		Ground	92
Payne & Griffiths Ltd.	Olympia	Grand	Gallery	39
Pearson Machine Tool Co. Ltd.	Olympia	Grand	Ground	57
Pegler & Louden Ltd.	Olympia	Grand	Gallery	32
Pels Henry & Co. Ltd.	Olympia	Grand	Ground	48
Pignone Sud Divisioni Progetti Delgruppo Eni	Earls Court		Ground	3
Pillinger, G. C., & Co. Ltd. (See: B.O.B.M.A.)	Olympia	Empire	Ground	321
Pilot Works Ltd.	Olympia	Grand	Gallery	18
Pioneer Oilsealing & Moulding Co. Ltd.	Olympia	Empire	First	21
Piller Gauge & Tool Co. Ltd. (See: Gauge and Tool Makers' Assoc.)	Olympia	Empire	Ground	302
Plannair Ltd.	Olympia	Grand	Gallery	22
Plessey Co. Ltd.	Earls Court		Ground	57
Plus Gas Co. Ltd.	Olympia	Empire	First	1
Poinconneuses Cisaille Vernet (See: Morrison, Marshall & Hill Ltd.)	Olympia	Empire	Ground	326
Polish Chamber of Foreign Trade	Olympia	Grand	Ground	85
Polservice (See: Polish Chamber of Foreign Trade)	Olympia	Grand	Ground	85
Pongracz, Friedrich, Erseugung von Werkzeugzeugmaschinen (See: Austria)	Earls Court		Ground	42
Porlester Ltd. (See: Lindustries Ltd.)	Earls Court		Ground	102
Porter, H. K. Co. (Gt. Britain) Ltd.	Olympia	Grand	Gallery	36
Potterton, Thomas, Ltd. (See: B.O.B.M.A.)	Olympia	Empire	Ground	321
Powder Couplings Ltd. (See: Specialloid Group of Companies)	Earls Court		Ground	119
Powell, C. B., Ltd.	Olympia	Grand	Gallery	34A
Powell Duffryn Ltd.	Earls Court		Ground	49
Powell Manufacturing Co. (Coventry) Ltd. (See: Gauge and Tool Makers' Assoc.)	Olympia	Empire	Ground	302
Power Jacks Ltd. (See: Gauge and Tool Makers' Assoc.)	Olympia	Empire	Ground	302
Power Petroleum Co. Ltd.	Olympia	Empire	Ground	303
Precision Products (Romford) Ltd. (See: Gauge and Tool Makers' Assoc.)	Olympia	Empire	Ground	302
Preconomy Co. Ltd. (See: Gauge and Tool Makers' Assoc.)	Olympia	Empire	Ground	302
Press & Shear Machinery Co. Ltd., The	Olympia	Grand	Ground	110
Prior Stokers Ltd. (See: B.O.B.M.A.)	Olympia	Empire	Ground	321
Progress (Universal) Ltd.	Olympia	Grand	Ground	114
Progressive Welder (Canada) Ltd. (See: Canadian Government)	Olympia	Grand	Ground	64
Prowse Keith & Co. Ltd.	Olympia	Grand	Ground	127
Prvomajska, Zitnjak (See: Yugoslavian Institute for Economic Publicity Abroad)	Earls Court		Ground	124 & 125
Purchasing Officers' Association	Olympia	National	Gallery	15
Purefoy Unit Tooling Ltd.	Olympia	National	Gallery	1
Purmetall	Earls Court		Ground	53
Pye Ltd.	Olympia	Grand	Ground	45
Qualcast Ltd.	Olympia	Grand	Ground	62A
Qualcut Tools Ltd. (See: Gauge and Tool Makers' Assoc.)	Olympia	Empire	Ground	302
Raceway Manufacturing Ltd. (See: Canadian Government	Olympia	Grand	Ground	64
Raimund Finsterholzl (See: Londex Ltd.)	Earls Court		Ground	118
Rank Xerox Ltd.	Earls Court		Ground	58
Ratby Engineering Co. Ltd. (See: Lindustries Ltd.)	Earls Court		Ground	102
Ratcliffe, F. S. (Rochdale) Ltd.	Olympia	National	Gallery	21
Rawlplug Co. Ltd.	Olympia	Grand	Ground	123
Reavell & Co. Ltd.	Olympia	Grand	Ground	32
Redditch Electrical Construction Co.	Olympia	Grand	Gallery	36
Redman Tools & Products Ltd. (See: Gauge and Tool Makers' Assoc.)	Olympia	Empire	Ground	302
Regent Oil Co. Ltd.	Olympia	Empire	Ground	316
Reiter Heinrich K.G., Metallwarenfabrik (See: Austria)	Earls Court		Ground	42
Reliance Precision Tools Ltd. (See: Gauge and Tool Makers' Assoc.)	Olympia	Empire	Ground	302
Rellumit (London) Ltd.	Earls Court		Ground	110A
Rembrandthin Lackfabrik Julius, Seidler (See: Austria)	Earls Court		Ground	42
Renfrew Aircraft & Engineering Co. Ltd. (See: Solar Industries Ltd.)	Earls Court		Ground	131
Renold Chains Ltd.	Olympia	Grand	Ground	66
	Earls Court		Ground	85A
Revolvo Ltd.	Olympia	Grand	Gallery	8
Reynolds Tube Co. Ltd.	Olympia	National	Gallery	24
Rhodes, B., & Son Ltd.	Olympia	Grand	Gallery	24
Richards, Charles, & Sons Ltd. (See: J. H. Bance & Co. Ltd.)	Earls Court		Ground	62
Richards, J., & Sons Ltd.	Olympia	Grand	Ground	62
Richards & Ross Ltd. (See: Tubes Ltd.)	Olympia	Grand	Ground	21

(*Continued on next page*)

Exhibitor	Venue	Hall	Floor	Stand No.
Rinke, Arthur (See: Verrolec Ltd.)	Earls Court		Ground	30
Ritz, Dr. Inj. Hans, Messwandlerwerk G.m.b.H.	Earls Court		Ground	95
Roberts, J. W., Ltd. (See: Turner & Newall Ltd.)	Earls Court		Ground	84
Rocol Ltd.	Earls Court		Ground	38
Rotaprint Ltd.	Olympia	National	Gallery	10
Rolls-Royce Ltd., Railway Traction Dept.	Olympia	Grand	Ground	79
Rotax-Werk A.G., Motorenfabrik (See: Austria)	Earls Court		Ground	42
Rotax Ltd. (See: Joseph Lucas (Electrical) Ltd.)	Olympia	Grand	Ground	56
Rubert & Co. Ltd. (See: Gauge and Tool Makers' Assoc.)	Olympia	Empire	Ground	302
Rud Kettenfabrik (See: Verrolec Ltd.)	Earls Court		Ground	30
Rushworth & Co. (Sowerby Bridge) Ltd.	Olympia	Empire	Ground	314
Rye, Claude, Bearings	Olympia	Grand	Gallery	43
Russell Industries Ltd. (See: Canadian Government)	Olympia	Grand	Ground	64
Saacke, H., Ltd.	Earls Court		Ground	126
Salter, Geo., & Co. Ltd.	Earls Court		Ground	90
Sanderson Instruments (Huddersfield) Ltd. (See: Gauge and Tool Makers' Assoc.)	Olympia	Empire	Ground	302
Sandvik Swedish Steels Ltd.	Olympia	Grand	Ground	20
Saunders Valve Co. Ltd.	Olympia	Grand	Ground	102
Sauter, August (U.K.)	Olympia	Grand Avenue	Ground	255
Saxon Spanner & Implement Co. Ltd.	Olympia	National	Gallery	11
Scheyer, Ing. Guido, Werkstatte fur Industriebedarf (See: Austria)	Earls Court		Ground	42
Schottel (England) Ltd.	Earls Court		Ground	104
Schrack, E., Elektrizitats A.G. (See: Austria)	Earls Court		Ground	42
Schrader's Son, A., Division of Scovil Mnfg. Co.	Olympia	National	Gallery	17
Scottish Aluminium Ware Ltd. (See: Solar Industries Ltd.)	Earls Court		Ground	131
Securicor Ltd.	Olympia	Empire	First	27
Seibold Ludwig (See: Austria)	Earls Court		Ground	42
Serck Radiators Ltd.	Olympia	Grand	Ground	70
Service Electric Co. Ltd.	Olympia	Grand	Ground	4
Shardlow Micrometers Ltd. (See: Gauge and Tool Makers' Assoc.)	Olympia	Empire	Ground	302
Shaw, A., & Sons (Diamonds) Ltd. (See: Gauge and Tool Makers' Assoc.)	Olympia	Empire	Ground	302
Shawford Control Gear Co. Ltd.	Olympia	Grand	Gallery	21
Shell-Mex & BP Ltd.	Olympia and Earls Court	Grand	Ground Ground	65 & 115 34 & 25
Sherritt Gordon Mines Ltd. (See: Canadian Government)	Olympia	Grand	Ground	64
Shipston Engineering Co. Ltd.	Olympia	Grand	Ground	6
Siderexport S.p.a.	Olympia	Grand	Ground	10
Siebe Gorman & Co. Ltd.	Olympia	Grand	Ground	118
Siemens-Schuckert (Great Britain) Ltd.	Olympia	Grand	Ground	83
Silentbloc Ltd.	Olympia	Grand	Gallery	4
Simat Ltd.	Olympia	Grand	Ground	13
Simm, G. E. (Engineering) Ltd.	Olympia	Grand	Gallery	26
Simplifix Couplings Ltd.	Olympia	Grand	Gallery	47
Sinex Engineering Co. Ltd.	Earls Court		Ground	39
Sintered Metal Components (See: Sterling Industries Ltd.)	Olympia	Empire	First	6
Sintering & Brazing Furnaces Ltd.	Olympia	National	Gallery	9
Sisson, W., & Co. Ltd. (See: British Arca Regulators Ltd.)	Earls Court		Ground	76
Smith, S., & Sons (England) Ltd.	Olympia	Grand	Ground	125
Smiths Jig & Tool Co. Ltd. (See: Gauge and Tool Makers' Assoc.)	Olympia	Empire	Ground	302
Snam, Divisioni Progetti Del Gruppo Eni	Earls Court		Ground	3
Soag Machine Tools Ltd.	Olympia	Grand	Ground	116
Societe Bustese Prodette (See: C.T. (London) Ltd.)	Earls Court		Ground	97
Societe des Compresseurs Membrane (See: C.T. (London) Ltd.)	Earls Court		Ground	97
Societe General	Earls Court			19
Smith's Jacking Systems Ltd. (See: S. Smith & Sons (England) Ltd.)	Olympia	Grand	Ground	125
Smith's Motor Accessory Division	Olympia	Grand	Ground	125
Solar Industries Ltd.	Earls Court		Ground	131
Solar Weld Languepin Ltd.	Earls Court		Ground	131
Solo Industrien AG. (See: Austria)	Earls Court		Ground	42
South Birmingham Engr. Co. Ltd.	Olympia	National	Gallery	18
South London Electrical Equipment Co. Ltd.	Olympia	Grand	Gallery	10
Southern Instruments Ltd.	Olympia	Grand	Gallery	15
Spanner Boilers Ltd.	Olympia	Grand	Ground	37
Specialized Group of Companies	Earls Court		Ground	119
Speck, Robert, Ltd.	Olympia	National	Gallery	12
Spectrol Electronics of Canada Ltd. (See: Canadian Government)	Olympia	Grand	Ground	64
Spiral Tube & Components Co. Ltd.	Olympia	Grand	Ground	108
Spring Manufacturers' Research Association (See: Department of Scientific and Industrial Research)	Earls Court		Ground	12 & 18
Stahl, R. (See: Verrolec Ltd.)	Earls Court		Ground	30
Sterling Cable Co. Ltd. (See: A. C. Cossor Ltd.)	Earls Court		Ground	51
Sterling Foundry Specialties Ltd.	Olympia	Grand	Ground	96
Sterling Industries Ltd.	Olympia	Empire	First	6
Sterling Instrument Co. (See: Sterling Industries Ltd.)	Olympia	Empire	First	6
Stewarts & Lloyds Ltd.	Olympia	Grand	Ground	72
Stillite Products Ltd. (See: Turner & Newall Ltd)	Earls Court		Ground	84
Stone, J. & Co. (Charlton) Ltd.	Olympia	Empire	Ground	312
Stone, J. & Co. (Deptford) Ltd. (See: J. Stone & Co. (Holdings) Ltd.)				
Stone J. & Co. (Holdings) Ltd.	Olympia	Empire	Ground	312
Stone, J. & Co. (Propellers) Ltd. (See: Stone Marine Eng. Co.)	Earls Court		Ground	68
Stone-Chance Ltd. (See: J. Stone & Co. (Holdings) Ltd.	Olympia	Empire	Ground	312
Stone Marine Engineering Co. Ltd.	Earls Court		Ground	68
Stone-Wallwork Ltd. (See: J. Stone & Co. (Holdings) Ltd.	Olympia	Empire	Ground	312
Stream-Line Filters Ltd.	Olympia	Grand	Ground	77
Stromungstechnik. (See: Verrolec Ltd.)	Earls Court		Ground	30
Stuelcken, H. C. Sohn.	Earls Court		Ground	66
Submarine Cables Ltd.,	Olympia	Grand	Ground	113
Sundstrand Sanders Ltd. (See: Shipston Engineering Co. Ltd.)	Olympia	Grand	Ground	6
Super Oil Seals & Gaskets Ltd.	Olympia	Grand	Gallery	45
Syren & Shipping Ltd., The	Olympia	Grand	Gallery	3
Systems Engineering Services Ltd. (See: Marshall-Howlett)	Olympia	National	Gallery	6
T. I. Stainless Tubes Ltd. (See: Tubes Ltd.)	Olympia	Grand	Ground	21
Talbot Tool Co. Ltd. (See: Gauge and Tool Makers' Assoc.)	Olympia	Empire	Ground	302
Tap & Die Corporation., Ltd. (See: Gauge and Tool Makers' Assoc.)	Olympia	Empire	Ground	302
Taylor, Geo., & Son (Engineers) Ltd. (See: Gauge and Tool Makers' Assoc.),	Olympia	Empire	Ground	302
Taylor & Jones, Ltd. (See: Gauge and Tool Makers' Assoc.)	Olympia	Empire	Ground	302
Taylor, Samuel & Sons (Brierley Hill) Ltd.	Earls Court		Ground	72
Tecalemit (Engineering) Ltd.	Olympia	Empire	Ground	318
Techniques Mondiales. (See: Engineers Digest)	Olympia	Grand	Gallery	23
Teddington Aircraft Controls Ltd.	Olympia	Empire	Ground	300
Tedson, Thornley & Co. Ltd.	Olympia	Grand	Gallery	14
Tehnopromet (See: Yugoslavian Institute for Economic Publicity Abroad)	Earls Court		Ground	124 & 125
Telektron (Great Britain) Ltd.	Olympia	Grand	Ground	3
Tellus Super Vacuum Cleaner Ltd.	Olympia	Empire	First	8
Tensator Ltd.	Olympia	Grand	Ground	98
Texaco U.K. Ltd. (See: Regent Oil Co. Ltd.)	Olympia	Empire	Ground	316
Thompson, John, Ltd.	Olympia	Grand	Ground	71
Thor Tools Ltd.	Olympia	Empire	Ground	327
Thornycroft, John I., & Co. Ltd.,	Olympia	Grand	Ground	51
Tolimit Gauges Ltd. (See: Gauge and Tool Makers' Assoc.)	Olympia	Empire	Ground	302
Tomos, Semedela, (See: Yugoslavian Institute for Economic Publicity Abroad)	Earls Court		Ground	124 & 125
Tooling & Equipment Engineers (Manfrs.) Ltd. (See: Gauge and Tool Makers' Assoc.)	Olympia	Empire	Ground	302
Torrington Co. Ltd.	Earls Court		Ground	106
Transelektro.	Earls Court		Ground	83A
Trennjaeger (G.B.) Ltd.	Olympia	Grand	Ground	101
Trent Foundries Ltd. (See: Solar Industries Ltd.)	Earls Court		Ground	131
Trist, Ronald & Co. Ltd.	Olympia	Grand	Ground	78
Trucast Ltd.	Olympia	Grand	Gallery	34
Tube Products Ltd. (See: Tubes Ltd.)	Olympia	Grand	Ground	21
Tubeman Stainless Ltd.	Olympia	Nation	Gallery	4
Tubes Ltd.	Olympia	Grand	Ground	21
Turners Asbestos Cement Co. Ltd. (See Turner & Newall Ltd.)	Earls Court		Ground	84
Turner Manufacturing Group of Companies	Olympia	Empire	Ground	319
Turner & Newall Ltd.	Earls Court		Ground	84
Twiflex Couplings Ltd.	Olympia	Empire	First	7
Tyrolit Schleifmittelwerke (See Austria)	Earls Court		Ground	42
U.S. Industries Inc., Eng. Ltd.	Earls Court		Ground	75
Unbrako Socket Screw Co. Ltd.	Olympia	Grand	Gallery	42
Undergear Equipment (R.B.P.) Ltd.	Olympia	National	Gallery	20
Uni-Tubes, Ltd. (See: S. Smith & Sons (England) Ltd.)	Olympia	Grand	Ground	125
Unifinance (U.K.) Ltd.	Olympia	National	Gallery	7
United Dominions Trust Ltd.	Olympia	National	Gallery	12
United Kingdom Atomic Energy Authority, Public Relations Branch	Earls Court		Ground	5
United States Metallic Packing Co. Ltd.	Olympia	Grand	Ground	26
Universal Boilers & Engineering Co. Ltd. (See: Solar Industries Ltd.)	Earls Court		Ground	131
Universal Kredit Bank. (See: Unifinance (U.K.) Ltd.)	Olympia	National	Gallery	7
Universal Metallic Packing Co. Ltd.	Olympia	National	Gallery	18
Urquhart's (1926) Ltd. (See: B.O.B.M.A.)	Olympia	Empire	Ground	321
V.S. Engineering Ltd. (See: Gauge and Tool Makers' Assoc.)	Olympia	Empire	Ground	302
Valjaonica Bakra, Sevojno. (See: Yugoslavian Institute for Economic Publicity Abroad)	Earls Court		Ground	124 & 125
Van Moppes, S. L. Ltd. (See: Gauge and Tool Makers' Assoc.)	Olympia	Empire	Ground	302
Varimex Ltd. (See: Polish Chamber of Foreign Trade)	Olympia	Grand	Ground	85
Vaughan, Edgar & Co. Ltd.	Olympia	Grand	Gallery	14

Exhibitor	Venue	Hall	Floor	Stand No.
Vereinigte Osterreichische. (See: Austria)	Earls Court		Ground	42
Verichrome Plating Co. Ltd. (See: Solar Industries Ltd.)	Earls Court		Ground	131
Verichrome Plating Services (Scotland) Ltd. (See: Solar Industries Ltd)	Earls Court		Ground	131
Vero Precision Engineering Ltd. (See: Gauge and Tool Makers' Assoc.)	Olympia	Empire	Ground	302
Verrolec Ltd.	Earls Court		Ground	30
Vickers Sperry Rand Ltd.	Olympia	Grand	Ground	104
Villiers (Tool Developments) Ltd. (See: Gauge and Tool Makers' Assoc.)	Olympia	Empire	Ground	302
Vitos Ltd.	Olympia	National	Gallery	9
Voith Engineering Ltd.	Olympia	Grand	Ground	122
Voith Getriebe, K.G.	Olympia	Grand	Ground	122
Vokes Ltd.	Olympia	Grand	Ground	77
Vokes Genspring Ltd. (See: Vokes Ltd.)	Olympia	Grand	Ground	77
de Vries, L., & Son (Diamond Tools) Ltd. (See: Gauge and Tool Makers' Assoc.)	Olympia	Empire	Ground	302
Vulcan Equipment Co. Ltd. (See: Canada)	Olympia	Grand	Ground	64
Waagner-Biro, A.G. (Vienna & Graz) (See: Austria)	Earls Court		Ground	42
Waddington & Duval (Holdings) Ltd. (See: Lindustries, Ltd.)	Earls Court		Ground	102
Wade Engineering Ltd.	Olympia	Grand	Gallery	13
Walkers (Century Oils) Ltd.	Earls Court		Ground	19A
Walker James, & Co. Ltd.	Olympia	Grand	Ground	8
Wall Colmonoy (Canada) Ltd.	Olympia	National	Gallery	2
Wallsend Slipway & Engineering Co. Ltd.	Olympia	Grand	Ground	46
Wandsbeker Werkzeug Fabrik. (See: Verrolec Ltd.)	Earls Court		Ground	30
Ward, Thomas W., Ltd.	Olympia	Grand	Ground	107
Warner, Son & Co. (Engineering) Ltd. (See: Gauge and Tool Makers' Assoc.)	Olympia	Empire	Ground	302
Warwick, Rim & Sectioning Co. Ltd. (See: J. Brockhouse & Co. Ltd.)	Olympia	Grand	Ground	38
Watson, Manasty & Co. Ltd. (See: Gauge and Tool Makers' Assoc.)	Olympia	Empire	Ground	302
Watson & McLean Ltd. (See: Wheway,Watson & McLean Ltd.)	Earls Court		Ground	112
Waugh, A. K. Ltd. (See: B.O.B.M.A.)	Olympia	Empire	Ground	321
Webb Jarratt & Co. Ltd. (See: Dendix Brushes Ltd.)	Olympia	Empire	First	46
Weidall & Assembly Ltd.	Olympia	Grand	Ground	61
Weldless Chains Ltd. (See: Wheway,Watson & McLean Ltd.)	Earls Court		Ground	112
Welin-MacLachlan Davits Ltd.	Earls Court		Ground	72
Welling & Welling Ltd.	Earls Court		Ground	94
Wellworthy Ltd.	Olympia	National	Gallery	21
Wertheim-Werke AG. (See: Austria)	Earls Court		Ground	42
Westminster Bank Ltd.	Olympia	Grand	Ground	1
Weston, Charles & Co. Ltd.	Olympia	Grand	Gallery	4
Weston Works (Birmingham) Ltd.	Olympia	Empire	Ground	323
Wheway Job & Son Ltd.	Earls Court		Ground	112
Wheway,Watson & McLean Ltd.	Earls Court		Ground	112
Whiteley, Lang & Neill Ltd. (See: Gauge and Tool Makers' Assoc.)	Olympia	Empire	Ground	302
White's Marine Engineering. (See: B.O.B.M.A.)	Olympia	Empire	Ground	321
Whitworth Gloster Aircraft Ltd., Armstrong Whitworth Equipment Ltd.	Earls Court		Ground	7
Wickman Machine Tool Sales Ltd.	Olympia	Empire	Ground	324
Wicksteed, Charles & Co. Ltd.	Olympia	Grand	Gallery	2
Wigglesworth, F. & Co. Ltd. (See: Francis W. Birkett & Sons Ltd.)	Earls Court		Ground	123
Williams & James (Engineers) Ltd.	Olympia	Grand	Ground	74
Wilmot Breeden	Earls Court		Ground	96
Wilsons Foundry & Engineering Co. Ltd.	Earls Court		Ground	17
Windley Bros. Ltd. (See: Gauge and Tool Makers' Assoc.)	Olympia	Empire	Ground	302
Winn, Charles, & Co. Ltd.	Olympia	Grand	Gallery	44
Winn, W. Martin, Ltd.	Olympia	Empire	Ground	325
Wolstenholmes (Radcliffe) Ltd. (See: Hopkinsons Ltd.)	Olympia	Grand	Ground	63
Wood Bros. & Co. (Gaskets) Ltd.	Olympia	Grand	Gallery	5
Woodward Governor Co., The	Olympia	National	Gallery	26
Wright Electric Motors (Halifax) Ltd.	Earls Court		Ground	107
Wuster & Co. (See: Austria)	Earls Court		Ground	42
Wynn (Valves) Ltd. (See: Charles Winn & Co. Ltd.)	Olympia	Grand	Gallery	44
York Shipley Ltd.	Olympia	Grand	Ground	17
Yorkshire Precision Gauges Ltd. (See: Gauge and Tool Makers' Assoc.)	Olympia	Empire	Ground	302
Yugoslavian Institute for Economic Publicity Abroad	Earls Court		Ground	124 & 125
Zeljezarna Jesenice (See: Yugoslavian Institute for Economic Publicity Abroad)	Earls Court		Ground	124 & 125
Zwicky, G. (London), Ltd.	Olympia	National	Gallery	4

INTERNATIONAL WELDING EXHIBITION

Exhibitor	Venue	Hall	Floor	Stand No.
A.R.O. Machinery Co. Ltd.	Olympia	National	Ground	217
Admiralty (Dept. of Chief of Naval Information)	Olympia	National	Ground	202
Agron Manufacturing Co. Ltd.	Olympia	Grand Avenue	Ground	251
Alyn Tube Cutters Ltd.	Olympia	Grand Avenue	Ground	253
Ateliers de Secheron, S.A.	Olympia	National	Ground	220
Bark, F. W., & Co. Ltd.	Olympia	National	Ground	246
Bode, F., & Sons Ltd.	Olympia	National	Ground	224
British Industrial Gases Ltd.	Olympia	National	Ground	201
British Oxygen Co. Ltd.	Olympia	National	Ground	218
Cifes (Como)	Olympia	Grand Avenue	Ground	252
Cooper Electroheat Ltd.	Olympia	National	Ground	228
Crompton Parkinson (Stud Welding) Ltd.	Olympia	National	Ground	247
Deloro Stellite Ltd.	Olympia	National	Ground	230
Distillers Co. Ltd., The, Chemical Div.	Olympia	National	Ground	200
Electro-Apparate-Bau G.m.b.H. (See: Startrite M/C Tool Co. Ltd.)	Olympia	National	Ground	204
English Electric—Arc Welding Co. Ltd.	Olympia	National	Ground	225
Esab Ltd.	Olympia	National	Ground	234 & 239
Eutectic Welding Alloys Co. Ltd.	Olympia	National	Ground	208
Fuller Electric Ltd.	Olympia	National	Ground	210
Haddon Cables Ltd. (See: 'Haddon' Companies)	Olympia	National	Ground	237
Haddon Electric Welding Machines Ltd. (See: 'Haddon' Companies)	Olympia	National	Ground	237
'Haddon' Companies	Olympia	National	Ground	237
Haddon Transformers Ltd. (See: 'Haddon' Companies)	Olympia	National	Ground	237
Hancock & Co. (Engineers) Ltd.	Olympia	National	Ground	231
Hirshmann, F., Ltd.	Olympia	National	Ground	214
Hirst Electronic Ltd.	Olympia	National	Ground	227
Holden & Hunt Ltd.	Olympia	National	Ground	232
Imperial Chemical Industries Ltd.	Olympia	National	Ground	216
Interlas Ltd.	Olympia	National	Ground	209
K.S.M. Stud Welding Ltd.	Olympia	National	Ground	245
Kerry's (Ultrasonics) Ltd.	Olympia	National	Ground	248
Lincoln Electric Co. Ltd.	Olympia	National	Ground	206
Max Arc Ltd.	Olympia	National	Ground	238
Meritus (Barnet) Ltd.	Olympia	National	Ground	244
Murex Welding Processes Ltd.	Olympia	National	Ground	219
Oerlikon Electrodes (G.B.) Ltd.	Olympia	National	Ground	212
Pantak Ltd.	Olympia	Grand	Ground	124
Peco Elektrische Schweissmaschinenfabrik	Olympia	Grand Avenue	Ground	251
Pollock & Peel Ltd.	Olympia	National	Ground	240
Portable Welders Ltd.	Olympia	National	Ground	211
Research & Control Instruments Ltd.	Olympia	National	Ground	235
Rockweld Ltd.	Olympia	National	Ground	203
Ross, Donald, & Partners Ltd. (See: Murex Welding Processes Ltd.)	Olympia	National	Ground	219
Rowen-Arc, Division of Rubery, Owen & Co. Ltd.	Olympia	National	Ground	236
Rubery, Owen & Co. Ltd.	Olympia	National	Ground	207
Sanders, W. H. (Electronics) Ltd.	Olympia	Grand Avenue	Ground	253A
Saturn Industrial Gases Ltd.	Olympia	National	Ground	223
Sauvageau & Co.	Olympia	National	Ground	250
Schlatter, H. A., A.G.	Olympia	Grand Avenue	Ground	254
Sciaky Electric Welding Machines Ltd.	Olympia	National	Ground	233
Siemens-Schuckert (G.B.) Ltd.	Olympia	National	Ground	213
Smith, S., & Sons (England) Ltd., Smith Industrial Division	Olympia	Grand	Ground	125
Solus-Schall (Division of the Rank Organization)	Olympia	National	Ground	215
Startrite Machine Tool Co. Ltd.	Olympia	National	Ground	204
Suffolk Iron Foundry (1920) Ltd.	Olympia	National	Ground	222
Ultrasonoscope Co. (London) Ltd.	Olympia	National	Ground	243
Ward, Thomas W., Ltd.	Olympia	National	Ground	221
Watson & Sons (Electro-Medical) Ltd.	Olympia	National	Ground	242
Welding Equipment Service Co. Ltd.	Olympia	National	Ground	249
'Welding & Metal Fabrication' (Associated Iliffe Press Ltd.)	Olympia	National	Ground	241
Weltronic Co. Ltd.	Olympia	National	Ground	205
Westminster Engineering Co. Ltd.	Olympia	National	Ground	229

INTERNATIONAL TRADE INFORMATION CENTRES

Exhibitor	Venue	Floor	Stand No.
Belgium-International Trade Centre	Earls Court	Ground	TC9
Birmingham Engineering and Building Centre	Earls Court	Ground	TC5
British Productivity Council	Earls Court	Ground	TC3
Denmark – Komiteen For Vdstillinger	Earls Court	Ground	TC12
Finland – Finnish Fair, Foreign Div.	Earls Court	Ground	TC10
France – Comite Permanent des Foires et Manifestations Economiques a L'Etranger	Earls Court	Ground	TC6
Germany – Gemes, Gesellschaft Fur Messgestaltung, Und Organization m.b.H.	Earls Court	Ground	TC7
Hong Kong Government Office	Earls Court	Ground	TC11
Ireland – Industrial Development Authority	Earls Court	Ground	TC2A
Italian Institute for Foreign Trade	Earls Court	Ground	TC8
London Chamber of Commerce Inc.	Earls Court	Ground	TC4
North East Development Council	Earls Court	Ground	TC16
Spanish Embassy, Commercial Office	Earls Court	Ground	TC1
United States of America, American Embassy	Earls Court	Ground	TC2
Wales Development Corporation	Earls Court	Ground	TC13

In the heart of Scandinavia

SWEDISH TRADE FAIR

International

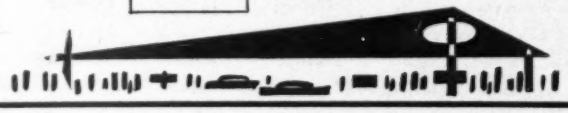
Gothenburg 10th — 19th of May, 1963

The European market is to an ever increasing extent conditioned by trade across frontiers. The will to carve out new outlets is strong — the desire to demonstrate every new product equally so. That can be observed with especial force at the Swedish Trade Fair in Gothenburg.

The Swedish Trade Fair, which is located in the centre of Scandinavia, is the ideal medium through which you can establish new contacts with the Scandinavian market. Plan for your visit now.

GREAT BRITAIN OFFICIALLY TAKES PART

Further information from:
Svenska Mässan, Göteborg S, Sweden
Cables: "Mässan"
or
John E. Buck & Co. Ltd.,
47, Brewer Street, Piccadilly,
London, W.1



Exhibition on Use of Information Services

An exhibition on the 'Effective Use of Information Services' is being staged at Watford College of Technology from April 22 to 26 by the local National Productivity Year committee. There will also be evening talks on April 23 and 24.

Boston British Food Fair (*Continued from page* 771)

Embassy that included colourful Heraldic banners, posters and a number of most attractive wrought iron display units called 'Piccadilly Shops'. In addition to these properties a number of manufacturers and/or their agents supplied point of sale literature and sales promotion items.

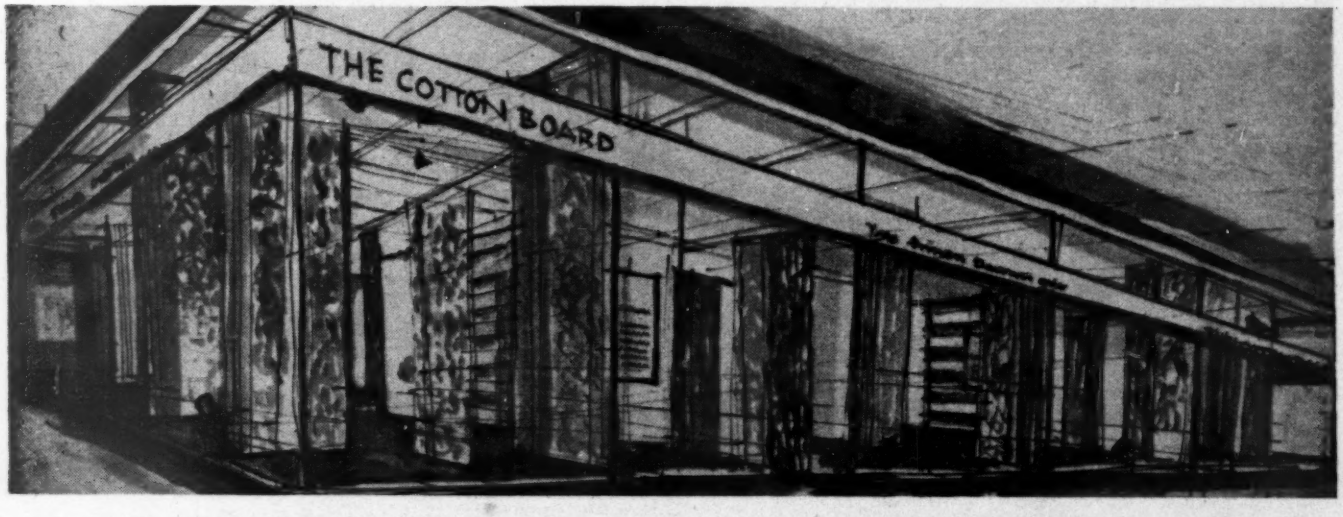
The window displays were strikingly arranged with a wide variety of products, which included tinned foods, biscuits, chocolates, toffees, boiled sweets, cheeses, preserves, teas, wines, spirits, ale, cordials, scent, toiletries, tobacco, etc. Signboards bearing the legend 'British Food Festival' were prominently displayed both in the windows and within the shops where much of the preferred display space was also allocated to this promotion. Demonstration and sampling tables were set up in each shop and a programme of demonstrations was arranged. The demonstrators were provided in some cases by the New York importers of the products concerned and in others by S.S. Pierce Company.

The demonstrations and samplings were undoubtedly responsible for some of the success of this venture. The individual shop managers expressed themselves as being well pleased with the results at the conclusion of the Fortnight. The consumer interest in the products was good, sales were up and a number of new lines which had proved successful will be carried in future.

S.S. Pierce Company undertook some newspaper advertising and in order to assist in bringing the Festival to the attention of as many channels of communication as possible, H.M. Consul-General held a preview cocktail party at the headquarters of S.S. Pierce Company on January 30, to which representatives of the Press, Radio and T.V. were invited. An envelope containing a complete list of food products is to be displayed and a set of Press releases prepared by British Information Services, New York, was handed to these guests. Cheeses from the English Country Cheese Council were displayed and sampled on this occasion and were given some publicity in the local Press as a result.

It is hoped to follow this event with other promotions now that a successful pattern has been established. Interested British manufacturers may inquire about future events from the Export Publicity and Fairs Branch of the Board of Trade or, if they have New York representatives, the British-American Chamber of Commerce. As the S.S. Pierce festival again proved, these promotions are an excellent way of introducing new lines into this market which could absorb a great deal more of British foodstuffs. Manufacturers already in the market can extend their sales by enabling their representatives or agents in the United States to take part in promotions, and to dispose of adequate funds for advertising and publicity.

Cotton Board's Stand at Melbourne



A sketch of the Cotton Board stand at the International Trade Fair, which was held in Melbourne on February 27 until March 16. The displays on the stand gave visitors a preview of coming trends in British cotton furnishing fabrics. Nearly 120 new designs from 29 firms were included in the display arranged by the Cotton Board, Colour Design and Style Centre. (*See page* 748).

Making an exhibition of ourselves!

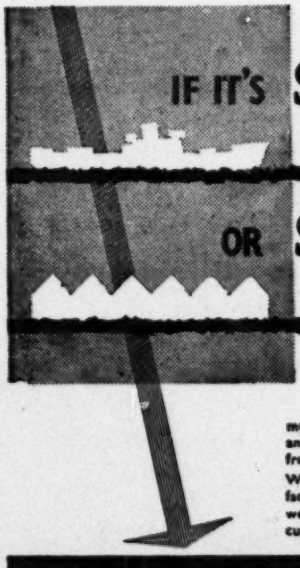
Midway between London & Edinburgh, served by fast trains from all parts, close to Leeds / Bradford airport, Harrogate is Britain's leading Conference & Exhibition Centre. Efficient administration, plus holiday resort amenities, ensure the success of any function.

RAIL FARES REDUCTION FOR CONFERENCE DELEGATES
Special reduction for delegates attending Conferences of 50 or more people. Contact your local B.R. District Commercial Officer for full details.

Harrogate
The International Centre

Special Handbook from A. C. Baxter, Information Bureau

TRAVEL BY TRAIN



It's no problem to us. We know the best methods, ensuring the safest, most economical and trouble-free handling of your goods to and from any part of the world.

We provide the most up-to-date warehousing facilities (bonded or free) and skilled services in weighing, sampling, transport, examination and customs clearance.

ARBUCKLE, SMITH & CO. LTD.
91 MITCHELL STREET, GLASGOW, C1

And at: London, Liverpool, Southampton, Hull, Dublin, Manchester, Toronto, Montreal, Winnipeg, Vancouver.

1863 1963
Our century in the East

When we opened our first branch in Calcutta in 1863, India was at the beginning of an industrial revolution. The foundations had been laid of the great tea, cotton and jute industries which were setting out on the roads that were to take them to their present important position in world trade. And at every stage *we were there*—to advise, to assist, to provide banking services. As a result, we have grown, too. In this Centenary Year our organisation comprises 167 branches in India, Pakistan, Ceylon, Aden, Somalia, East Africa and the Rhodesias. The reason for our growth? You will find it in the unrivalled quality of our service.

NATIONAL AND GRINDLAYS BANK LIMITED

HEAD OFFICE:
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Telephone: LONdon Wall 4040

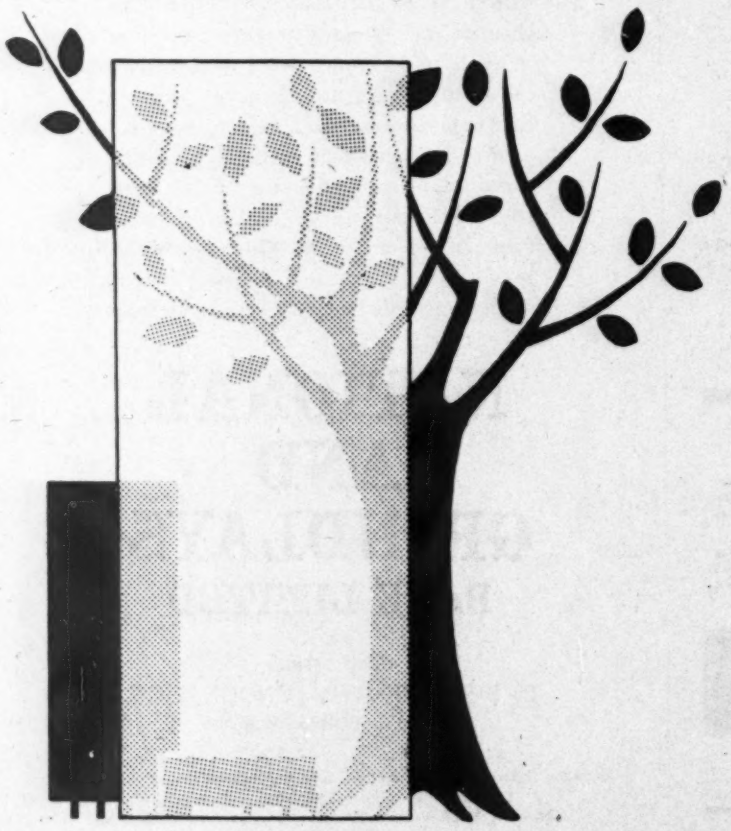
London Offices: 54 Parliament St. S.W.1 Telephone: WHItehall 1462
13 St. James's Sq. S.W.1 Telephone: WHItehall 4611
Bankers to the Government in Aden, Kenya, Uganda, Zanzibar

Motor-cycles for the U.S.

Sir Norman Hulbert, chairman of Associated Motor Cycles, receives a £500,000 order from Mr. Joe Berliner, president of the Berliner Motor Corporation of America for the Norton Electra 400. The machine has been specially designed for the United States market.

Air Conditioners for Russia

A Thermotank S36 manufactured by Thermotank Ltd., of Glasgow – a self-contained air conditioning unit—one of six ordered for use aboard Russian cargo ships—being lifted aboard s.s. Sajanji in Millwall Dock, London.



WINDOW GLASS

Good Quality • Varied Assortment

- *Machine-drawn, Fourcault system, qualities "B" and "C". Thickness 2-6 mm.*
- *Ornamental Colourless: 23 models. Thickness 3.8-4.9 mm.*
- *Wired: white wire, welded carbon steel, 14 mm. mesh. Thickness 6.5-7 mm.*
- *Mat and Muslin.*

MINERALIMPORTEXPORT

3 Gh. Assan St.
Bucharest-Rumania

For prompt information apply to the Economic Agency of the Rumanian People's Republic, 26 Cadogan Square, London, S.W.1.

Trade Fairs and Exhibitions Outside Europe

1963 — General

ADELAIDE: ROYAL ADELAIDE EXHIBITION – March 28-April 27.
Apply, The Secretary, South Australian Chamber of Manufacturers Inc., 12 Pirie Street, Adelaide, South Australia.

JOHANNESBURG: RAND EASTER SHOW – April 2-15.
* At Milner Park. Apply, Witwatersrand Agricultural Society, P.O. Box 4344, Johannesburg.

TOKYO: 5TH INTERNATIONAL TRADE FAIR – April 16-May 6.
† Apply Tokyo International Trade Fair Management Office C.P.O. Box 1201, Tokyo, Japan.

BULAWAYO: CENTRAL AFRICAN FAIR AND EXHIBITION – April 25-May 5.
* At Agricultural Society's Show ground. Apply, The Development Officer, Bulawayo Agricultural Society, P.O. Box 3384, Bulawayo, S. Rhodesia.

CASABLANCA: INTERNATIONAL TRADE FAIR – April 25-May 12.
* Apply, British Chamber of Commerce, 101 Boulevard Mohammed El Hansali, Casablanca.

CHICAGO: INTERNATIONAL TRADE FAIR – June 19-July 7.
* At McCormick Place. Apply, Chicago Association of Commerce and Industry, 30 West Monroe Street, Chicago 3, Illinois.

SYDNEY: INTERNATIONAL TRADE FAIR – July 26-August 10.
† At R.A.S. Showground, Sydney, New South Wales, Australia. U.K. Agents: Industrial & Trade Fairs Ltd., Commonwealth House, 1-19 New Oxford Street, London, W.C.1. (Tel.: Chancery 9011.)

TORONTO: CANADIAN NATIONAL EXHIBITION – August 16-September 2.
* At Exhibition Park. Apply, Canadian National Exhibition Representative, Columbia House, 3 Lower Regent Street, London, S.W.1. (Tel.: Whitehall 2794.)

IZMIR: 33RD INTERNATIONAL TRADE FAIR – August 20-September 20.
* Apply, The Secretary, The British Chamber of Commerce of Turkey (Inc.), Buldanliogla Han Nos. 4/5 Necatibey Cad No. 246 Galata – Istanbul, Turkey.

DAMASCUS: INTERNATIONAL TRADE FAIR – August 25-September 20.
* Apply, International Trade Fair of Damascus, 67 Boulevard Baghdad, Damascus.

TAMATAVE: FOIRE INTERNATIONALE DE TAMATAVE 1963 – August 31-September 22.
Apply, Commissariat General de la Foire International de Tamatave 1963 B.P. No. 868 Tananarive (Republique Malgache) Madagascar.

MONTREAL: INTERNATIONAL TRADE FAIR – September 27-October 6.
* At Show Mart. Apply, Montreal International Trade Fair, 1700 rue Berri Street, Montreal P.Q.

LIMA: PACIFIC INTERNATIONAL TRADE FAIR – October 26-November 11.
† Apply, Pacific International Trade Fair, P.O. Box 4900, Lima, Peru.

1963 — Specialized

Automation

CHICAGO: 18TH ANNUAL ISA INSTRUMENT-AUTOMATION CONFERENCE AND EXHIBIT – September 9-12.
* At McCormick Place. Apply, Instrument Society of America: Penn-Sheraton Hotel, 530 William Penn Place, Pittsburgh 19, Pennsylvania.

PHILADELPHIA: 5TH INTERNATIONAL AUTOMATION CONGRESS AND EXPOSITION – November 19-21.
* At the Sheraton Hotel. Apply, International Automation Congress & Exposition, Richard Rimbach Associates Management, 933 Ridge Avenue, Pittsburgh 12, Pennsylvania.

Boats

MINNEAPOLIS: NORTHWEST BOAT, SPORTS AND TRAVEL SHOW – March 29-April 7.
* At the Auditorium. Apply, General Shows Inc., 409 Times Building, Minneapolis 1, Minnesota.

MELBOURNE: INTERNATIONAL BOAT SHOW – July 18-27.
* Apply, Exhibition Promotions Pty. Ltd., Suite 12, 'Town House', 33 Queens Road Melbourne, S.C.3.

CHICAGO: MARINE TRADES EXHIBIT AND CONFERENCE – September 27-30.
* Apply, Outboard Boating Club of America, 307 North Michigan Avenue, Chicago, 1, Illinois.

Chemicals

NEW YORK: CHEMICAL INDUSTRIES EXPOSITION – December 2-6.
† At the Coliseum. Apply, International Chemical Exposition Co., 480 Lexington Avenue, New York 17, N.Y.

Electrical, Radio, Television, Electronics

ATLANTIC CITY: SOCIETY OF MOTION PICTURES AND TELEVISION ENGINEERS EXPOSITION AND CONVENTION – April 21-26.
* Apply, Society of Motion Pictures and Television Engineers, 55 West 42nd Street, New York 36.

CHICAGO: ELECTRONIC PARTS DISTRIBUTORS SHOW – May 20-22.
* At Conrad Hilton Hotel. Apply, Electronic Industry Show Corporation, 11 S. La Salle Street, Chicago.

SAN FRANCISCO: WESTERN ELECTRONIC SHOW AND CONVENTION 'WESCON' – August 20-23.
* Apply, Western Electronic Show and Convention, 1434 S. La Cienega Boulevard, Los Angeles 35, California.

TORONTO: INSTITUTE OF RADIO ENGINEERS EXHIBITION – September 30-October 2.
* Apply, Institute of Radio Engineers, 1819 Yonge Street, Toronto 7, Ontario.

CHICAGO: NATIONAL ELECTRONIC EXHIBITION – October 28-30.
* Apply, National Electronic Conference Inc., 228 North La Salle Street, Chicago, 1.

Engineering, Machinery, Machine Tools

CHICAGO: THE 1963 ASTME ENGINEERING AND TOOL EXPOSITION – April 29-May 3.
* At the International Amphitheatre. Apply, American Society of Tool and Manufacturing Engineers, 10700 Puritan Buildings, Detroit 38, Michigan.

TORONTO: NATIONAL INDUSTRIAL PRODUCTION SHOW OF CANADA – May 6-10.
† At Industry Building and Coliseum East Annex, Exhibition Park. Apply, Maclean-Hunter Publishing Co. Ltd., 481 University Avenue, Toronto, Ontario.

NEW YORK: DESIGN ENGINEERING SHOW – May 20-23.
* At the Coliseum. Apply, Clapp & Poliak Inc. Management, 381 Madison Avenue, New York 17, N.Y.

MELBOURNE: ENGINEERING EXHIBITION – August 12-17.
† At Exhibition Buildings. Apply, Industrial Public Relations Service of Australia (Vic) Pty. Ltd., Box 2689, G.P.O. Melbourne, Australia.

CHICAGO: ANNUAL CONVENTION AND EXHIBITION OF THE NATIONAL AUTOMATIC MERCHANDIZING ASSOCIATION – September 7-10.
* Apply, National Automatic Merchandizing Association, 7 South Dearborn Street, Chicago 1, Illinois.

Hotel, Restaurant, Catering and Foodstuffs

CHICAGO: 26TH ANNUAL SUPERMARKET INSTITUTE CONVENTION AND EXPOSITION – May 5-8.
* At McCormick Place. Super Market Institute Inc., 500 N. Dearborn Street, Chicago 10, Illinois.

LOS ANGELES: 5TH ANNUAL PACIFIC FINE FOODS AND BEVERAGE FAIR – July 14-17.
* At Biltmore Hotel. Apply, Industrial Displays Inc., 440 West Los Felix Boulevard, Glendale 4, California.

NEW YORK: NATIONAL HOTEL EXHIBITION – November 11-14.
* Apply, National Hotel Exposition, 141 West 51st Street, New York City, 19.

Laundry

TORONTO: CANADIAN CLEANERS AND LAUNDERERS ALLIED TRADES ASSOCIATION 2ND INTERNATIONAL TRADE SHOW – June 4-8.
At Industry Building, Exhibition Park. Apply, Canadian Cleaners and Launderers Allied Trades Association, 11 Adelaide Street West, Toronto 1, Ontario.

Medical

NEW YORK: 65TH ANNUAL MEETING OF THE AMERICAN HOSPITAL ASSOCIATION 'HOSPITAL MERCHANDISE MART' – August 26-29.
* At the Coliseum. Apply, The American Hospital Association, 840 North Lake Shore Drive, Chicago 11, Illinois.

TORONTO: ANNUAL CONVENTION AND EXHIBITION OF THE ONTARIO HOSPITAL ASSOCIATION – October 28-30.
* Apply, Mr. H. G. Dillon, Ontario Hospital Association, 24 Ferrand Drive, Flemingdon Park, Don Mills, Toronto.

Motor Transport

MONTREAL: 6TH ANNUAL BRITISH MOTOR SHOW – April 4-7.
* At Queen Elizabeth Hotel. Apply, Mr. G. Henderson, Chairman, The Organizing Committee, British Automobile Distributors, c/o Cooke Toledo Motors, Montreal P.Q.

NEW YORK: INTERNATIONAL AUTOMOBILE SHOW – April 13-21.
* Apply, Charles Snitow Organization Inc., 331 Madison Avenue, New York 17, N.Y.

LOS ANGELES: INTERNATIONAL AUTOMOBILE SHOW – October 25-November 3.
* Apply, Los Angeles Motor Car Dealers Association, 8721 Sunset Boulevard (Suite 300), Los Angeles, California.

(*Continued on page* 793)

BRITISH EXHIBITION
AUSTRALIA
1964

A massive combined operation by U.K. industry and Australian associates of U.K. firms to increase sales in Australia

RESERVE SPACE NOW IN THIS IMPORTANT BRITISH TRADE FAIR—THE BIGGEST EVER TO BE STAGED ANYWHERE IN THE WORLD

Full details from the Organisers:

BRITISH OVERSEAS FAIRS LTD.,

21 Tothill Street, London, S.W.1. (Tel. Whitehall 6711)

Endeavour House, 33 Macquarie Place, Sydney, N.S.W. (Tel. 27 1968)

BRITISH EXHIBITION AUSTRALIA and BRITISH FORTNIGHT

SYDNEY

25 SEPTEMBER—10 OCTOBER 1964

Sponsored by Association of British Chambers of Commerce; Australian Association of British Manufacturers; Federation of British Industries; Institute of Directors; National Association of British Manufacturers

Trade Fairs and Exhibitions Outside Europe (*Continued*)

Music

CHICAGO: WORLD'S FAIR OF MUSIC AND SOUND – July 6-August 4.
* At McCormick Place. Apply, J. W. Brennock Esq., World's Fair of Music and Sound, 333 North Michigan Avenue, Chicago, Illinois.

Office Equipment and Business Efficiency

LOS ANGELES: 16TH ANNUAL SOUTHERN CALIFORNIA BUSINESS SHOW – April 30-May 3.
* At Ambassador Hotel. Apply, Southern California Business Show, 740 South Broadway, Room 908, Los Angeles 14, California.
MONTREAL: CANADIAN NATIONAL BUSINESS SHOW – November 19-21.
* Apply, Canadian National Business Show, 1819 Yonge Street, Toronto.

Packaging

CHICAGO: NATIONAL PACKAGING EXPOSITION – April 21-24.
* At McCormick Place. Apply, Clapp and Poliak Inc., 341 Madison Avenue, New York 17, N.Y.

Plastics

CHICAGO: NATIONAL PLASTICS EXPOSITION – November 18-22.
† At McCormick Place. Apply, Clapp and Poliak Inc., 341 Madison Avenue, New York 17, N.Y.

Stationery

NEW YORK: STATIONERY SHOW – May 19-24.
* At Hotel New Yorker. Apply, George Little Management Inc., 220 Fifth Avenue, New York 1, New York.
CHICAGO: STATIONERY AND OFFICE EQUIPMENT EXHIBITION – October 5-8.
* Apply, National Stationery and Office Equipment Association, 740 Investment Building, Washington 5, D.C.

1964 — General

VANCOUVER: BRITISH COLUMBIA INTERNATIONAL TRADE FAIR – May 13-23.
At Exhibition Park. Apply, Agent General, British Columbia House, 1-3 Regent Street, London, S.W.1. (Tel.: Whitehall 6857.)
TEL-AVIV: INTERNATIONAL TRADE FAIR – June 16-July 7.
† Apply, Industrial & Trade Fairs Ltd., Commonwealth House, New Oxford Street, London, W.C.1. (Tel.: Chancery 9011.)
SYDNEY: BRITISH EXHIBITION, AUSTRALIA – September 25-October 10.
Apply, British Overseas Fairs Ltd., 21 Tothill Street, London, S.W.1. (Tel.: Whitehall 6711.)

1964 — Specialized

Building

TORONTO: CONSTRUCTION AND PUBLIC WORKS SHOW – May 4-7.
At Industry and Coliseum Buildings, Exhibition Park. Apply, Maclean-Hunter Publishing Co. Ltd., 481 University Avenue, Toronto 2.

Chemical

CHICAGO: 12TH NATIONAL CHEMICAL EXPOSITION – September 1-4.
At Conrad Hilton Hotel. Apply, Chicago Section, American Chemical Society, 56 East Randolph Street, Chicago 1, Illinois.

Engineering, Machinery, Machine Tools

CHICAGO: 13TH NATIONAL AIR-CONDITIONING, HEATING AND REFRIGERATION EXHIBITION – January 20-23.
† Apply, Mr. George E. Mills, Show Director, 1346 Connecticut Avenue, N.W., Washington 6 D.C.
CLEVELAND: NATIONAL PLANT MAINTENANCE AND ENGINEERING SHOW – January 26-30.
* Apply, Clapp & Poliak Inc., 341 Madison Avenue, New York 17, N.Y.
ATLANTIC CITY: FOUNDRY CONGRESS AND CASTING EXHIBITION – April 27-May 1.
* Apply, The American Foundrymen's Society, Golf and Wolf Roads, Des Plaines, Illinois.
CHICAGO: DESIGN ENGINEERING SHOW – May 11-14.
* At McCormick Place. Apply, Clapp & Poliak Inc., Management, 341 Madison Avenue, New York 17, N.Y.
SYDNEY: ENGINEERING EXHIBITION – July 20-25.
† Apply, Industrial Public Relations (N.S.W.) (Engineering Exhibition Division) Pty. Ltd., R.A.S. Showgrounds, Sydney, Australia.

Homes, Household Goods and Hardware

ATLANTIC CITY: CHINA AND GLASS SHOW – January 5-10.
* Apply, Little Brothers Shows Inc., 220 Fifth Avenue, New York 1, New York.

Motor Transport

NEW YORK: NATIONAL MOTOR SHOW – January 15-17.
* Apply, National Association of Engine and Boat Manufacturers Inc., 420 Lexington Avenue, New York, 17 N.Y.
CHICAGO: NATIONAL AUTO ACCESSORIES EXHIBITION – January 27-30.
* Apply, Automotive Accessories Manufacturers of America, One Bala Avenue, Bala Cynwyd, Pennsylvania.
CHICAGO: MOTOR SHOW – February 8-16.
* At McCormick Place. Apply, Chicago Automobile Trade Association, 35 East Wacker Drive, Chicago 1, Illinois.

Plastics

TORONTO: PLASTICS SHOW OF CANADA – May 5-7.
† Apply, Maclean Hunter Publishing Co. Ltd., 30 Old Burlington Street. (Tel. Regent 7941).

Sports

CHICAGO: NATIONAL SPORTING GOODS SHOW – February 2-6.
* At McCormick Place and Palmer House. Apply, National Sporting Goods Association, 23 East Jackson Boulevard, Chicago 4, Illinois.

British Designs to be Featured in Rhodesia

ONE OF Africa's leading stores, H. M. Barbour (Pvt.) Ltd., in Salisbury, Southern Rhodesia, is organizing a 'Festival Britannica', which will be inaugurated on May 27 by Sir Duncan Oppenheim, Chairman of the British Council of Industrial Design.

British goods will be on display throughout the store, the centrepiece being an exhibition of durable consumer goods, chosen from The Design Centre in London, including tableware, furnishing and household textiles, leather and travel goods and toys. A highlight of the display will be a special feature showing the products which have gained the 1963 Design Centre Awards and the Duke of Edinburgh's Prize for Elegant Design. This will be the first overseas showing of the 1963 Awards; H.R.H. Prince Philip will have presented certificates to the manufacturers and designers of the prize-winning products in London on May 23.

The Board of Trade is supporting with display material and features for decorating the store. It has also secured the agreement of the War Office for two State Trumpeters to visit the event.

London buying agents acting for Barbour's in connection with the 'Festival Britannica' are Stuttaford and Co. Ltd., 4 Great Portland Street, London, W.1. (Tel. Museum 0961).

Perkins Show at Brussels

Sir John Nicholls (left) British Ambassador in Belgium seen on the stand of the Perkins Group's Belgian distributor during the Brussels Motor Show. With him are Mr. Alastair Denholm (right) the Group's general fleet sales manager and Mr. Peter Hooper (centre), Press and U.K. public relations manager.

Overseas Trade Section

Trade and Financial Arrangements

Tariff Section of Board of Trade Export Services Branch

From April 8 the allocation of work in Tariff Section of Export Services Branch is being substantially revised. To avoid delay, telephone inquirers and visitors are advised to consult the Inquiry Bureau in Hillgate House for information about new telephone extensions and room numbers. (Telephone for the Inquiry Bureau: City 5757, Ext. 227/230 and 231/237).

Austria and East Germany

IT HAS BEEN reported in the Austrian press that a trade arrangement for 1963 was signed in Berlin on December 6, 1962, between the Austrian Chamber of Commerce and the East German Chamber of Commerce.

The quota lists, which provice for trade in each direction of some $47 million, are in effect renewals of the previous year's lists with increases in various items and some reductions, giving a total net increase of $0·5 million in the list for East German exports and an increase of $0·6 million in the list for Austrian exports. East German exports will include lignite ($5·8 million), other mining products ($3·9 million), machinery ($4·6 million), chemical and mineral oil products ($2·6 million), pig iron and iron alloys ($1·1 million) and porcelain, etc. ($0·63 million). Austrian exports will include iron and steel products ($9·6 million), machinery ($4·0 million), agricultural products and food ($0·4 million), timber and timber products ($2·1 million), cardboard and paper products ($0·5 million), electric machinery and equipment ($1·6 million), chemical and pharmaceutical products ($1·4 million), glassware, yarns and manufactured textiles ($1·85 million), leather and leather goods ($0·6 million).

The quota lists may be seen on application to the Export Services Branch (Tariff Section), Board of Trade, Room E.39, Hillgate House, 35 Old Bailey, London, E.C.4 (Tel. City 5757, Ext. 449/50) quoting reference C.R.E./1648/56.

Switzerland and Congo (Brazzaville)

A COMMERCIAL agreement was signed in Berne on October 18, 1962, between Switzerland and the Republic of the Congo (Brazzaville).

The agreement provides that each country will extend most-favoured-nation treatment to the other, and contains clauses regarding the protection of investments by citizens, companies, etc., of each country in the other, with especial reference to compensation in the event of nationalization.

Switzerland agrees to the free importation of products of the Congo Republic. The Congo Republic has granted annual quotas for a number of Swiss goods, including milk products (300,000 Swiss francs), chemicals and pharmaceuticals (200,000), textiles (300,000), watches and clocks (200,000), cameras, record-players, cinema projectors, etc. (50,000) and electrical and mechanical equipment (100,000).

The agreement will remain in force until December 31, 1964, and thereafter unless three months' notice of termination is given.

The agreement applies in its entirety to the Principality of Liechtenstein as well as to Switzerland.

Czechoslovakia and U.S.S.R.

THE BRITISH EMBASSY in Prague reports the signature in Moscow on February 21, 1963, of a protocol on the exchange of goods between Czechoslovakia and the Soviet Union during 1963. The volume of trade during 1963 is valued at about 1,500 million roubles, a substantial increase over 1962.

Russian exports to Czechoslovakia will include machines and installations, crude oil, iron ore, non-ferrous metals, chemicals, cotton, wool, and other raw materials and food.

Czechoslovak exports to the Soviet Union will include installations for the chemical, light and food industries, metal-working machines and river boats.

Inquiries concerning this notice should be addressed to Commercial Relations and Exports Department, Board of Trade, Room 5126, Horse Guards Avenue, London, S.W.1 (Tel. Trafalgar 8855, Ext. 7844) quoting reference C.R.E. 5463/G.

Britain and Morocco

BY AN exchange of notes between the Governments of Britain and Morocco the Trade Agreement between the two countries, which was valid for the period January 1, 1962, to December 31, 1962, has been extended for a further year until December 31, 1963. The quota lists attached to the Agreement are unchanged.

France and Denmark

THE FRENCH *Moniteur Officiel du Commerce International* of February 27, 1963, published details of the further extension of the trade agreement of May 29, 1959, between France and Denmark.

By an exchange of letters dated February 15, 1963, the arrangement fixes the exchange of trade between Denmark and France, the Republics of Central Africa, Congo, Dahomey, Gabon, Upper-Volta, Chad, the Malagasy Republic and the Islamic Republic of Mauritania, for a further period of one year from January 1, 1963.

French exports to Denmark include cut flowers and wines. Danish exports to France, the French overseas Territories and Departments, and the African States include fresh, chilled or frozen fish, canned meat, cheese, condensed milk and powdered milk.

The full French text of the notice may be seen at the Export Services Branch, Board of Trade, Room E.38, Hillgate House, 35 Old Bailey, London, E.C.4.

France and Norway

THE FRENCH *Moniteur Officiel du Commerce International* of February 27, 1963, published details of the further extension of the trade agreement of April 2, 1960, between France and Norway.

By an exchange of letters dated February 2, 1963, between Norway and France, the Republics of Central Africa, Congo, Dahomey, Gabon, Upper-Volta, Chad, the Malagasy Republic and the Islamic Republic of Mauritania, the agreement has been further extended for the period of one year from January 1, 1963.

French exports to Norway will include wines and spirits, foie gras and secondary cereals.

Norwegian exports to France and the African states will include fish and fish oils, beer, biscuits and pleasure boats.

The full French text of the notice may be seen at the Export Services Branch, Board of Trade, Room E.38, Hillgate House, 35 Old Bailey, London, E.C.4.

Preliminary Notice on 'Hints to Businessmen' Visiting West Germany

A REVISED EDITION of 'Hints to Businessmen Visiting the Federal Republic of Germany and West Berlin' will be published on April 5.

British businessmen who intend visiting that country on export business can obtain copies of the booklet on application to the Board of Trade, Directories and Notices Section, Room 0348, Horse Guards Avenue, London, S.W.1. (Tel. Trafalgar 8855, Ext. 2928).

Other 'Hints to Businessmen' Booklets

REVISED EDITIONS of the booklets on Dominican Republic, Jordan, Mexico and Sudan, have been published in the series of 'Hints to Businessmen'.

British businessmen who intend visiting those countries on export business can obtain copies of the booklets on application to the Board of Trade, Directories and Notices Section, Room 0348, Horse Guards Avenue, London, S.W.1. (Tel. Trafalgar 8855, Ext. 2928).

(See last week's *Board of Trade Journal*, page 716).

Information for United Kingdom Exporters

BRIEF DETAILS are given below of overseas inquiries for United Kingdom products, contracts open for tender, reports on commercial conditions abroad, export trade openings, etc., issued recently by the Export Services Branch, Board of Trade, to subscribers to the *Export Service Bulletin*.

The *Bulletin*, published three times a week, with a weekly Supplement, is available to United Kingdom manufacturers and exporters at a subscription of £10 10s. a year. A subscription form can be obtained from the Export Services Branch, Board of Trade, Room E.11, Hillgate House, 35 Old Bailey, London, E.C.4. (City 5757, Ext. 433), (Telex 25977). Copies of particular *Bulletins* containing further details of the items referred to below can be obtained from the same address on prepayment of the sum of 2s. per copy.

Calls for Tender

*Inquiries connected with the calls for tender mentioned below should be addressed to the Export Services Branch, Board of Trade, Hillgate House, 35 Old Bailey, London, E.C.4. (Inquiries by telephone: City 5757, Ext. 406 and 404). Reference numbers should always be quoted. The date given is the closing date for tendering. It refers to the current year unless otherwise indicated. Tender documents are available for loan in those cases marked with an asterisk *.*

ARGENTINA

Equipment for Two Ships for Empresas Lineas Maritimas Argentinas. (Further Information.) Closing date postponed to April 24. E.S.B. 4436/63.*

Construction of Bridge/Diversion Dam for Ente Provincial Del Rio Colorado. July 5. E.S.B. 10943/63.

AUSTRALIA

Hospital Projects for Government of Western Australia. (Advance Information.) E.S.B. 10136/63.

Air Break Switches for Brisbane City Council. April 19. E.S.B. 11305/63.*

Transformers for State Electricity Commission, Brisbane. April 24. E.S.B. 10689/63.*

Electricity Commission of N.S.W.:

Ash and Dust Handling Plant. (Further Information.) E.S.B. 2719/63.

Boiler Equipment. May 27. E.S.B. 9835/63.*

Postmaster General's Department:

Protective Apparatus, Internal. May 28. E.S.B. 10944/63.*

Arresters and Arrester Mountings. May 28. E.S.B. 10945/63.*

Telephone Equipment. (Further Information.) E.S.B. 6960/63.*

Telegraph Equipment. (Further Information.) E.S.B. 6593/63.

BURMA

Water Meters for Water and Sewerage Department. April 30. E.S.B. 10942/63.*

Complete Mineral Fertilizer Factories for Mineral Fertilizer Plants Implementation Committee. (Further Information.) E.S.B. 1227/63.

Civil Stores Committee:

Canvas. April 22. E.S.B. 10630/63.*

Leathercloth. April 24. E.S.B. 10940/63.*

Fullers Earth; Cotton Balls. April 24. E.S.B. 10939/63.*

Chain. April 22. E.S.B. 10628/63.*

Oil Engines; Motor Mowers; Crankshaft Regrinding Machine. April 22. E.S.B. 10666/63.*

Brushes. April 24. E.S.B. 10937/63.*

Bearings. April 22. E.S.B. 10629/63.*

Nozzles. April 24. E.S.B. 10938/63.*

Steel Wire Brushes. April 23. E.S.B. 10607/63.*

Chalk. April 23. E.S.B. 10609/63.*

Galvanized Flex. April 23. E.S.B. 10613/63.*

G.I. Pipes. April 22. E.S.B. 10612/63.*

Screws, Bolts and Nuts. April 23. E.S.B. 10688/63.*

Galvanized Tanks. April 23. E.S.B. 10690/63.*

Sanitary Ware. April 22. E.S.B. 11306/63.*

CEYLON

Surgical Dressings for Ministry of Health. (Further Information.) Tender documents now available. E.S.B. 10035/63.*

Hydrated Lime for Eastern Paper Mills Corporation. April 30. E.S.B. 10665/63.

Cane Trailers for Gal Oya Development Board. April 15. E.S.B. 10626/63.*

Government Stores Department:

Asbestos Sheets. June 4. E.S.B. 10696/63.

Ropes. April 16. E.S.B. 10664/63.*

Ministry of Agriculture, Land, Irrigation and Power:

Air Conditioning Plants. May 17. E.S.B. 11313/63.

Hydro Electric Scheme. (Further Information.) E.S.B. 38829/62.

Transformer Sub-Station. (Further Information.) Closing date postponed to April 16. E.S.B. 2793/63.

CHILE

Chemicals for El Servicio Nacional De Salud. April 19. E.S.B. 10682/63.*

Slaughter Houses; Freezing Plants for Chilean Development Corporation. (Advance Information.) E.S.B. 10683/63.

COLOMBIA

Electronic Valves for La Empresa Colombiana De Aerodromes. April 29. E.S.B. 10603/63.*

Metal Bridges for Ministry of Public Works. April 30. E.S.B. 11309/63.

CYPRUS

Civil Engineering Work for Electricity Authority of Cyprus. (Further Information.) E.S.B. 33873/62.*

ECUADOR

Highway Reconstruction for Ministry of Public Works. June 6. E.S.B. 10681/63.

EGYPT

Catalysts; Solvents; Chemicals for El Nasr Oil Processing and Petrochemical Co. April 16. E.S.B. 10291/63.

Brick Manufacturing Plant for The General Egyptian Organization for Building Materials and Ceramics. June 1. E.S.B. 10614/63.*

Geological Survey for General Organization for Executing the Five Year Industrial Plan. (Further Information.) E.S.B. 4886/63.*

Misr Beida Dyers:

Dyestuffs. April 17. E.S.B. 11351/63.*

Dyestuffs. April 17. E.S.B. 11352/63.*

Egyptian Railways:

Ticket Printing Machines. May 8. E.S.B. 10699/63.

Ebonite Rods. May 11. E.S.B. 10700/63.

ETHIOPIA

Co-Axial Cables; Resistances for Imperial Board of Telecommunications of Ethiopia. April 17. E.S.B. 10686/63.*

FORMOSA

Central Trust of China:

Chlorinator. April 18. E.S.B. 10624/63.*

Refrigerating Compressor. April 16. E.S.B. 10622/63.*

Lead Ingot. April 15. E.S.B. 10659/63.*

Filter Tips. April 29. E.S.B. 10656/63.*

Filter Tips. April 29. E.S.B. 10657/63.*

Zinc Ingot. April 15. E.S.B. 10658/63.*

GHANA

Fertilizers for the Ghana Supply Commission. Closing date not known. E.S.B. 10684/63.

GREECE

Perforating Machine for Institute of Social Insurance. April 26. E.S.B. 10616/63.*

Ministry of Trade:

Electric Light Bulbs. April 18. E.S.B. 11353/63.*

Topographical Instruments. May 13. E.S.B. 11354/63.*

Clocks. April 22. E.S.B. 10662/63.*

Tractor; Diesel Engines; Artificial Rain Unit. April 29. E.S.B. 10663/63.*

Radiotherapy Unit. April 18. E.S.B. 10993/63.*

(*Continued on page 797*)

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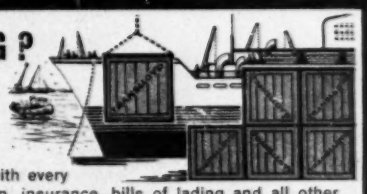

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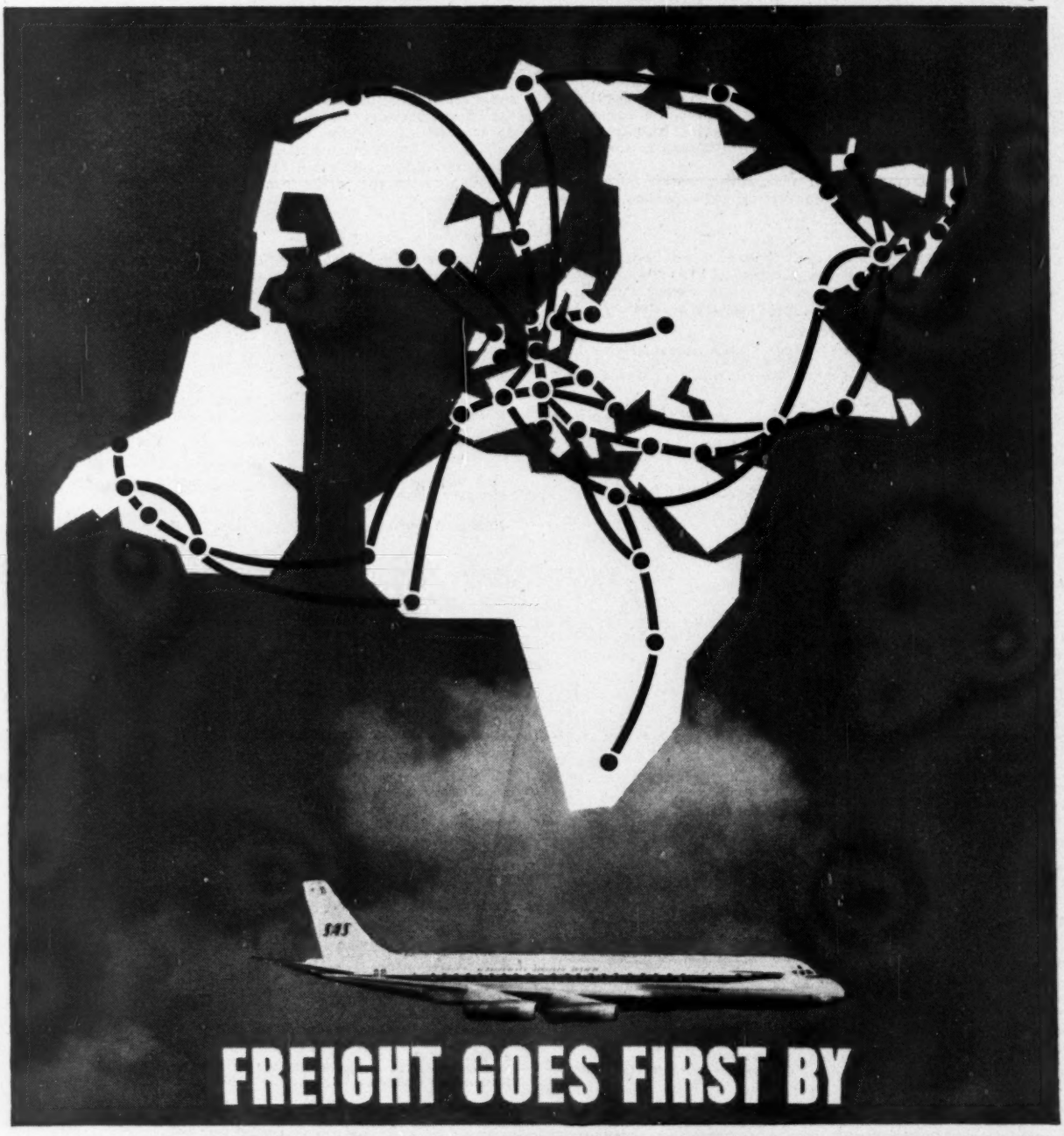

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Information for U.K. Exporters (*Continued*)

INDIA

Carriage Wheel Sets for Hindustan Aircraft Ltd. Closing date postponed to April 15. E.S.B. 9859/63.
Mobile Workshops for Directorate General of Supplies and Disposals. April 30. E.S.B. 11339/63.*
Steel Wire Ropes for Bombay Port Trust. May 30. E.S.B. 11343/63.
Transformers for Madhya Pradesh Electricity Board. April 29. E.S.B. 11327/63.
Condenser Tubes for Damodar Valley Corporation. April 16. E.S.B. 11349/63.*
Railway Electrification for Eastern, Northern, South Eastern Railway, Calcutta. (Advance Information.) E.S.B. 11348/63.
Transformers for Bihar State Electricity Board. (Further Information.) Closing date postponed to May 10. E.S.B. 7358/63.
Sluice Gates and Hoists for Construction Circle No. 1. July 1. E.S.B. 10964/63.*
Travelling Crane for Hydel Designs Directorate. (Further Information.) Tender documents now available. E.S.B. 4445/63.*
Transmission Equipment for Gujerat Electricity Board. May 18. E.S.B. 10668/63.
Dam Spillway Radial Gates for Public Works Department. (Further Information.) Closing date postponed to May 15. E.S.B. 35230/62.

India Store Department:
Metal Pressing Machines. April 25. E.S.B. 10653/63.
Metal Cleaning Machines. June 6. E.S.B. 10652/63.

Hindustan Shipyard Ltd.:
Propelling Auxiliary Machinery. (Further Information.) Tender documents now available. E.S.B. 8157/63.*
Ship Propellers and Shaftings. May 30. E.S.B. 10632/63.

National Coal Development Corporation Limited:
Chain Pulley Blocks. April 20. E.S.B. 10966/63.*
Metal Sawing Machine. April 20. E.S.B. 10965/63.*
Sand Gathering Plant. (Further Information.) Closing date postponed to April 29. E.S.B. 4021/63.

Hindustan Steel Limited:
Alloy Steel Plates; Squares and Slabs. (Further Information.) Tender documents now received. E.S.B. 9723/63.*
High Carbon Steel. (Further Information.) Tender documents now received. E.S.B. 8465/63.*
Medium Carbon Steel. (Further Information.) Tender documents now received. E.S.B. 8464/63.*
Steel Wire Ropes. May 10. E.S.B. 11410/63.

Maharashtra State Electricity Board:
Transformers. April 29. E.S.B. 10672/63.
Electrical Measuring Instruments. April 22. E.S.B. 10669/63.
Oil Filtering Equipment. April 24. E.S.B. 10670/63.
Metering Equipment. April 26. E.S.B. 10671/63.
H.T. Metering and Control Panels. May 6. E.S.B. 10673/63.

Atomic Energy Establishment, Trombay:
Boron Trefluoride Diethyl. April 18. E.S.B. 11324/63.
High Temperature Furnace. May 2. E.S.B. 11325/63.
Pumps. May 5. E.S.B. 11326/63.
Microscope. April 26. E.S.B. 11344/63.
Industrial Palaroid Unit. May 2. E.S.B. 10926/63.
Cathodic Vacuum Etching Unit. May 6. E.S.B. 10928/63.
Exhaust Fans. May 3. E.S.B. 10927/63.
Bench Centres. May 7. E.S.B. 10929/63.

IRAN

Electro Magnetic Detector Gedscope for Teheran Electricity Board. April 28. E.S.B. 10991/63.*

IRAQ

Date Packaging Materials and Accessories for Iraqi Dates Organization. April 30. E.S.B. 11409/63.*
Gas Pipeline for Ministry of Oil. April 25. E.S.B. 11408/63.
Electric Poles for Ministry of Municipalities. April 30. E.S.B. 11403/63.

Central Foreign Purchasing Board:
Telephone Line Concentrators. (Further Information.) Tender documents now received. E.S.B. 9762/63.* (Part Arabic.)
Telegraph Equipment. (Further Information.) Tender documents now received. E.S.B. 9105/63.* (Part Arabic.)

Iraqi Ports Administration:
Diesel Engines and Auxiliary Sets. May 23. E.S.B. 11370/63.
Air Conditioners; Marine Electric Cables. May 16. E.S.B. 11369/63.
Tools; Vee Belts; Welders Goggles. May 16. E.S.B. 11402/63.

IRISH REPUBLIC

Mechanical and Electrical Services for Coombe Lying-In Hospital, Dublin. April 30. E.S.B. 10932/63.

JORDAN

Gate Valves for Jordan Petroleum Refinery Co. Ltd. April 15. Specification only available. E.S.B. 10967/63.*
Architectural and Engineering Consultancy for the Jordan Development Board. (Advance Information.) E.S.B. 11131/63.*

KOREA

Wheel Tyre Welding Machines for Office of Supply. April 30. E.S.B. 11414/63.*

KUWAIT

Water Heaters and Spares for Ministry of Electricity and Water. April 24. E.S.B. 11411/63.*

MALAYA

Cannery Equipment for Federation of Malaya Pineapple Cannery Co. Ltd. (Further Information.) Closing date postponed to April 15. E.S.B. 6952/63.
Industrial Vehicles for Malayan Railways. April 15. E.S.B. 10946/63.
Welding and Grinding Machines for Public Works Department. April 19. E.S.B. 10986/63.

MALTA

Equipment for Power Station for The Government of Malta. June 3. E.S.B. 10947/63.

MOROCCO

Geophysical Survey for L'Industrie Des Mines. April 26. E.S.B. 10948/63.

NEW ZEALAND

General Post Office, Wellington:
Steel. May 9. E.S.B. 10989/63.*
Electronic Training Equipment. May 14. E.S.B. 10988/63.*

NIGERIA

Electricity Corporation of Nigeria:
Cables. May 29. E.S.B. 10677/63.*
Power Transmission Equipment. May 21. E.S.B. 10930/63.*

PAKISTAN

Constructional Project for National Bank of Pakistan. April 15. E.S.B. 10676/63.
Ejectors and Injectors for Pakistan Western Railway. April 18. E.S.B. 10634/63.*

Telegraph and Telephone Department:
Psophometers. (Further Information.) Tender documents now available. E.S.B. 9404/63.*
Cable Route Detectors. (Further Information.) Tender documents now available. E.S.B. 10096/63.*

Department of Investment, Promotion and Supplies:
Universal Tool and Cutter Grinding Machine. April 17. E.S.B. 11335/63.*
Water Meter Repair Shop. May 8. E.S.B. 11328/63/D.L.F.

Pakistan Eastern Railway:
Leather Cloth. April 20. E.S.B. 10934/63.*
Electrodes. April 20. E.S.B. 10936/63.*
Rubber Hose Pipes. April 20. E.S.B. 10935/63.*

Electricity Water and Power Development Authority:
H.T. Compound. April 18. E.S.B. 10977/63.*
Insulators. April 17. E.S.B. 10978/63.*
Power Station Equipment. (Further Information.) Closing date postponed to April 30. E.S.B. 5174/63.

The Director of Supply:
Laboratory Equipment. April 20. E.S.B. 10973/63.*
Bicycles. April 16. E.S.B. 10970/63.*
Refrigerated Milk Vans. April 22. E.S.B. 10974/63.*
Laboratory Equipment. April 18. E.S.B. 10972/63.*
Spouted Crucibles. April 22. E.S.B. 11336/63.*
Vehicle Chassis. April 22. E.S.B. 10971/63.*
Passenger Lift. April 16. E.S.B. 10975/63.*
Coir Processing Machinery. April 16. E.S.B. 10642/63.*
Tipper Trucks. April 18. E.S.B. 10645/63.*
Scientific Instruments. April 16. E.S.B. 10648/63.
Pumps. April 17. E.S.B. 10644/63.
Electrodes; Moisture Tester; Refrigerated Centrifuge. April 17. E.S.B. 10646/63.*

PERU

Petroleum Refinery for Empresa Petrolera Fiscal. Closing date not known. E.S.B. 10969/63.

PORTUGUESE EAST AFRICA

Mineral Prospecting Rights Concession for Overseas Ministry. May 27. E.S.B. 10292/63.

Autonomous Services of Electricity of Mozambique:
Building Materials. April 24. E.S.B. 10924/63.
Hand Tools; Miscellaneous Utensils. April 24. E.S.B. 10293/63.

PORTUGUESE WEST AFRICA

Metal Ingots; Screws and Washers for Ports, Railways and Transports. April 16. E.S.B. 11340/63.

Water and Electricity Board:
Cable and Cable Boxes. April 26. E.S.B. 10297/63.
Water Meters. April 18. E.S.B. 11337/63.

RHODESIA AND NYASALAND

Overhead Line Equipment for Bulawayo City Electrical Engineer. (Further Information.) Tender documents now received. E.S.B. 10061/63.*

Federal Tender Board:
Stainless Steel Tableware. April 26. E.S.B. 10678/63.*
Safes. April 18. E.S.B. 10679/63.*

SINGAPORE

Public Address Systems for Director of Telecommunications. April 25. E.S.B. 10976/63.*
Cables and Accessories for City Council Electricity Department. May 28. E.S.B. 10990/63.*
Brass Bib Cocks and Stop Cocks for City Council Water Department. May 7. E.S.B. 10992/63.*

SOUTH AFRICA

Fibre Glass Material for the Hume Pipe Co. (S. Africa). (Further Information.) E.S.B. 10080/63.

South African Railways:
Assizing Equipment (Petrol Tankers). (Further Information.) Closing date postponed to April 26. Amended Tender documents available. E.S.B. 6528/63.*
Fishplates. April 26. E.S.B. 10984/63.*
Public Address Equipment. April 26. E.S.B. 10983/63.*

Cape Provincial Administration:
Plastic Tubing; Laboratory Equipment. April 23. E.S.B. 10639/63.*
Crutches. April 19. E.S.B. 10638/63.*
Film Projectors; Episcopes; Tape Recorders. April 19. E.S.B. 10640/63.*
Cloths and Dusters; Serviettes. April 23. E.S.B. 10637/63.*

State Tender Board:
Laboratory Apparatus. April 19. E.S.B. 10956/63.*
Metering Nozzles. April 18. E.S.B. 10951/63.*
Coco Pans and Cocopan Tracks and Turnouts. April 18. E.S.B. 10950/63.*
Loaders; Diesel Locomotives; Mine Cars. April 18. E.S.B. 10952/63.*
Sluice Gates. April 18. E.S.B. 10953/63.*
Laboratory Apparatus. April 26. E.S.B. 10957/63.*

(*Continued on next page*)

Information for U.K. Exporters (*Continued*)

Plastic Lined Steel Pipes and Specials. April 18. E.S.B. 11329/63.*
Laboratory Apparatus. April 26. E.SB. 11333/63.*
Valves. April 18. E.S.B. 11331/63.*
Rock Drills; Vibrators; Sand Pumps. April 18. E.S.B. 11332/63.*
Steel Pipe Specials. April 18. E.S.B. 11330/63.*
Laboratory Apparatus. April 26. E.S.B. 11334/63.*
Shipway Winch. April 16. E.S.B. 10954/63.*

Transvaal Provincial Tender Board:
Weaving Needles; Raffia. April 16. E.S.B. 11377/63.*
School Equipment. April 26. E.S.B. 11373/63.*
Pencils. April 26. E.S.B. 11372/63.*
Paper. April 26. E.S.B. 11365/63.*
Electromyograph. April 26. E.S.B. 11359/63.*
Charcoal Sticks; Pastels and Water Colours. April 20. E.S.B. 11378/63.*
Hand Tools. April 26. E.S.B. 11366/63.*
Artists' Brushes. April 26. E.S.B. 11367/63.*
Crockery. April 26. E.S.B. 11358/63.*
Stationery. April 26. E.S.B. 11375/63.*
Mixing Bowls. April 26. E.S.B. 11374/63.*
Chalk and Wax Crayons. April 26. E.S.B. 11371/63.*
Lead Pencils. April 26. E.S.B. 11376/63.*
Metals. April 26. E.S.B. 11357/63.*

SPAIN

Water Supply for Direccion General De Obras Hidraulicas. April 22. E.S.B. 10980/63.

SUDAN

Cables for Department of Ports and Telegraphs. May 16. E.S.B. 10959/63.*
Flour for Sudan Railways. April 25. E.S.B. 10955/63.
Joints and Pipe Fittings for Central Electricity and Water Administration. April 18. E.S.B. 10961/63.*
Leather for the Sudan Gezira Board. May 23. E.S.B. 10960/63.*

THAILAND

Sulfaguanidine for the Pharmaceutical Service. April 17. E.S.B. 10921/63.

State Railways of Thailand:
M.S. Channels. April 24. E.S.B. 10915/63.
M.S. Rounds. April 25. E.S.B. 10916/63.

The Treasury Department:
Erosion Machine. April 16. E.S.B. 10917/63.
Plastic Press. April 23. E.S.B. 10918/63.

TRINIDAD AND TOBAGO

Underground Cable for Trinidad and Tobago Electricity Commission. May 27. E.S.B. 10695/63.*

TUNISIA

Radio-Beacon for Secretariat D'Etat Aux Traveau Publics Et a l'Habitat. Closing date not known. E.S.B. 11418/63.*
Transformers for Societe Tunisienne de l'électricitié. Closing date postponed to April 20. E.S.B. 5734/63.*

TURKEY

Mine Pump Installations for Turkiye Komur Isletmeleri Kurumu. April 30. E.S.B. 10902/63 D.L.F.

State Highways Department:
Conveyor Belt Fasteners. April 19. E.S.B. 11393/63.*
Sparking Plugs. April 17. E.S.B. 11391/63.*

TCDD Isletmesi Merkez Alim Ve Satim Komisyonu:
Boiler Tubes. April 16. Tender documents in Turkish available. E.S.B. 11319/63.*
Plastic Sheets. April 15. E.S.B. 11318/63.*
Steel Tyres. April 30. E.S.B. 11320/63.*

PTT Genel Mudurlugu:
Telegraph Carriers. May 13. Tender documents (in Turkish) available. E.S.B. 11398/63.*
Communications Equipment. May 20. Tender documents (in Turkish) available. E.S.B. 11396/63.*
Transmitting Equipment. May 15. Tender documents (in Turkish) available. E.S.B. 11397/63.*

Denizcilik Bankasi T.A.O.:
Boiler Parts. April 23. E.S.B. 11400/63.*
Gas Rods and Electrodes for Welding Cast Iron and Steel. April 22. E.S.B. 11416/63.
Portable Air Motors. April 22. E.S.B. 10680/63.*
Steel Structural Shapes for Ship Building. April 25. E.S.B. 11399/63.*
Teak. April 23. E.S.B. 10901/63.*

UNITED STATES OF AMERICA

Provisions for United Nations, New York. April 16. E.S.B. 10933/63.*
Switchgear and Transformers for Grant County P.U.D. No. 2. (Further Information.) Tender documents now received. E.S.B. 10078/63.*

Department of the Interior:
Transformers. April 15. E.S.B. 11412/63.*
Digital Dispatching System. April 23. E.S.B. 11415/63.*
Generators for U.S. Corps of Engineers. April 17. E.S.B. 10675/63.*
Slide Gates. April 16. E.S.B. 10674/63.*

URUGUAY

Construction of Dry Dock for El Ministerio De Defensa Nacional. October 31. E.S.B. 10540/63.* (In Spanish.)

La Administracion General de las Usinas Electricas y Los Telefonos Del Estado:
Electric Generating Plant. (Further Information.) Closing date postponed to May 2. E.S.B. 37150/62.
Engineering Consulting Services. (Further Information.) Closing date postponed to April 18. E.S.B. 35260/62.

Agency and Export Opportunities, Market Surveys, Etc.

Further details of the items referred to below are contained in recent issues of the Export Service Bulletin, or Supplement, copies of which can be obtained from the Export Services Branch, Board of Trade, Hillgate House, 35 Old Bailey, London, E.C.4 (inquiries by telephone: City 5757, Ext. 427), on prepayment of the sum of 2s. per copy. The reference number should be quoted in all inquiries.

Australia
Agency inquiry for textile piece-goods. (E.S.B. 10409/63.)
Manufacture under licence – electronic equipment; materials handling equipment; engineering products. (E.S.B. 10869/63.)
Manufacture under licence – heat exchange equipment. (E.S.B. 10459/63.)
Manufacture under licence – processing equipment; oil extraction plant. (E.S.B. 10502/63.)

Austria/East Germany
Trade Agreement. (C.R.E. 1648/56.)

Belgium
Agency inquiry for knitwear; scarves; household linen; handkerchiefs. (E.S.B. 11034/63.)

Brazil
Industrial and trade development. (C.R.E. 1251/3/G.)

Cambodia
Inquiry for bulldozers; telecommunications equipment. (E.S.B. 7197/63.)

Canada
Agency inquiry for diesel engines; machinery; pumps; wire rope. (E.S.B. 10423/63.)
Agency inquiry for electrical equipment. (E.S.B. 11277/63.)
Agency inquiry for pipe and pipe fittings. (E.S.B. 9648/63.)
Agency inquiry for sports goods; camping equipment; toys; games; hobby kits; boating equipment. (E.S.B. 10456/63.)
Inquiry for hospital equipment and supplies. (E.S.B. 10163/63.)
Market report on sanitaryware. (E.S.B. 4755/63.)

Ceylon
Inquiry for plant for jute mill. (E.S.B. 10536/63.)
Inquiry for machinery and plant for rayon fibre production. (E.S.B. 10537/63.)
Inquiry for machinery and materials for making builders' hardware. (E.S.B. 9536/63.)

Congo Republic
Inquiry in respect of technological and industrial museum for state university. (E.S.B. 7457/63.)

Costa Rica
Economic report for 1962. (C.R.E. 5245/G.)

Czechoslovakia/Cuba
Trade Agreement. (C.R.E. 2696/G.)

Czechoslovakia/U.S.S.R.
Trade Agreement. (C.R.E. 5463/G.)

Dahomey
Inquiry for brass rings and tubes. (E.S.B. 9284/63.)

Denmark
Market report on roadmaking machinery and constructional equipment. (E.S.B. 7137/63.)

Egypt
Inquiry for refrigerated trucks. (E.S.B. 11310/63.)

Fiji
Agency inquiry for piece-goods; blankets. (E.S.B. 11125/63.)

Finland
Agency inquiry for paper converting machinery; shipyard equipment – further information. (E.S.B. 1586/63.)
Agency inquiry for toilet preparations; smokers' requisites; textiles. (E.S.B. 10504/63.)
Agency inquiry for toys; office supplies. (E.S.B. 10490/63.)
Agency inquiry for surgical gloves; syringes. (E.S.B. 11056/63.)

France
Agency inquiry for bakery sundries; foodstuffs. (E.S.B. 10434/63.)
Agency inquiry for dental, medical and surgical equipment. (E.S.B. 10411/63.)
Agency inquiry for mechanical seals. (E.S.B. 10344/63.)
Agency inquiry for metal framework for windows. (E.S.B. 32729/62.)
Agency inquiry for machinery for building and public works; steam cleaning machinery; construction equipment. (E.S.B. 10321/63.)
Agency inquiry for piece-goods. (E.S.B. 10578/63.)
Agency inquiry for electrical and electronic equipment. (E.S.B. 10357/63.)
Agency inquiry for steel cables. (E.S.B. 10865/63.)
Inquiry for textile fabrics. (E.S.B. 7171/63.)
Economic report for 1962. (C.R.E. 213/63.)

Germany (Federal Republic of)
Agency inquiry for plastics tubes and foils. (E.S.B. 10515/63.)
Agency inquiry for confectionery; shortbread. (E.S.B. 9987/63.)
Agency inquiry for steel masts and bridging. (E.S.B. 10475/63.)
Economic report, March 18-24, 1963. (C.R.E. 1479/G.)

Information for U.K. Exporters (*Continued*)

Indonesia
Economic report for 1962. (C.R.E. 1062/63.)

Israel
Agency inquiry for synthetic yarns. (E.S.B. 10432/63.)

Italy
Agency inquiry for sauces; preserves. (E.S.B. 10408/63.)

Jamaica
Agency inquiry for machinery and plant; ironmongery; pipes and fittings; medical and surgical equipment; non-ferrous metals; tools; office equipment. (E.S.B. 10428/63.)

Japan
Inquiry for woollen suitings. (E.S.B. 10314/63.)
Inquiry for machine tools. (E.S.B. 10342/63.)

Latin America
Market for mechanical handling equipment. (C.R.E. 203/62.)

Lebanon
Market report on lifts; escalators. (E.S.B. 6415/63.)

Malaya
Agency inquiry for diesel outboard motors. (E.S.B. 10412/63.)

Netherlands
Inquiry for jewellery. (E.S.B. 10894/63.)
Inquiry for chocolate packaging. (E.S.B. 10801/63.)

New Zealand
Agency inquiry for piece-goods; proofed fabrics. (E.S.B. 9935/63.)
Agency inquiry for pumps. (E.S.B. 10309/63.)

Norway
Economic report, January 1963. (C.R.E. 2995/63.)
Economic report for 1962. (C.R.E. 7907/61.)

Pakistan
Inquiry for machinery for making insulators. (E.S.B. 9090/63.)
Inquiry for engine bearings factory. (E.S.B. 9690/63.)

Paraguay
Economic report for 1962. (C.R.E. 10293/60.)

Philippines
Agency inquiry for air-conditioning equipment. (E.S.B. 10548/63.)

Portuguese Guinea
Economic report for 1962. (C.R.E. 1098/G.)

Rhodesia and Nyasaland
Agency inquiry for clothing; footwear; piece-goods; men's headwear. (E.S.B. 10455/63.)
Inquiry for radio and electronic components. (E.S.B. 10146/63.)

Saudi Arabia
Inquiry for automotive spares. (E.S.B. 10463/63.)

Singapore
Agency inquiry for electro-plated ware; plastics goods; stainless steel kitchenware; wooden tableware; glassware. (E.S.B. 10238/63.)
Agency inquiry for travelling rugs; blankets. (E.S.B. 10229/63.)
Agency inquiry for books; stationery. (E.S.B. 10144/63.)

South Africa
Agency inquiry for textile fabrics. (E.S.B. 10257/63.)
Agency inquiry for foodstuffs; chinaware; hardware; machinery. (E.S.B. 10410/63.)
Inquiry for chinaware. (E.S.B. 9203/63.)

South Africa/Spain
Trade Agreement. (C.R.E. 7307/G.)

South Vietnam
Inquiry in respect of water supply project – further information. (E.S.B. 22765/62.)

Spain
Inquiry for printing machinery. (E.S.B. 10228/63.)

Sudan
Inquiry for brick-making plant. (E.S.B. 10332/63.)
Inquiry for plumbing systems; lifts; air cooling plant; safes; building materials. (E.S.B. 9574/63.)
Economic report, October-December 1962. (C.R.E. 1897/62.)

Sweden
Agency inquiry for sheep casings; fish meal. (E.S.B. 9998/63.)
Agency inquiry for spectacle frames and glass. (E.S.B. 10162/63.)
Agency inquiry for linen. (E.S.B. 11050/63.)
Agency inquiry for machinery for paint making; non-ferrous tubing. (E.S.B. 11016/63.)
Economic report, February 1963. (C.R.E. 2452/63.)

Syria
Agency inquiry for pharmaceuticals; fertilizers. (E.S.B. 5083/63.)

Turkey
Agency inquiry for automotive spare parts and accessories. (E.S.B. 11021/63.)

United States of America
Agency inquiry for office machinery. (E.S.B. 10847/63.)
Agency inquiry for pneumatic tools; rotameters. (E.S.B. 11035/63.)
Agency inquiry for pumps. (E.S.B. 10876/63.)
Agency inquiry for canned and packaged foodstuffs. (E.S.B. 7483/63.)
Inquiry for housewares; hardware; giftwares. (E.S.B. 11157/63.)
Inquiry for fluorescent tubes; light fittings. (E.S.B. 10347/63.)
Inquiry for electronic and mechanical products. (E.S.B. 10868/63.)
Inquiry for coin-operated machines. (E.S.B. 10488/63.)
Inquiry for radios; tape recorders. (E.S.B. 11024/63.)
Inquiry for pens and pencils; razor blades; cutlery; leather goods. (E.S.B. 10870/63.)
Inquiry for gin; whisky. (E.S.B. 10399/63.)
Inquiry for salaghini. (E.S.B. 10818/63.)
Economic report, February 1963. (C.R.E. 6967/R.)

Various Countries
NATO Infrastructure Contracts. (G.D. 180/63.)

Venezuela
Inquiry for linen table cloths. (E.S.B. 10584/63.)

£124,000 Order for Czechoslovakia

The loading and despatch of a dual-wheel grinder for Czechoslovakia being checked at the works of the Newall Engineering Co. Ltd., Old Fletton, Peterborough. This machine forms part of an £124,000 order for automatic and heavy duty equipment to be used in the manufacture of Skoda cars.

Footwear for Export

Mr. Kenneth Lewis, M.P., paid tribute to Charles East Ltd.'s export performance when he visited the firm's works at Kettering recently, accompanied by Mr. P. J. L. Homan, Regional Controller, Board of Trade, Birmingham. The firm are substantial exporters of men's footwear. Seen with Mr. Lewis (third right) are Mr. Frederick East (right) managing director, Mr. Homan, and Mr. Geoffrey East, chairman.
Photograph: Northamptonshire Newspapers Ltd.

Business Visitors to Addis Ababa

ADDIS ABABA is to be the venue for an African Heads of State Conference in the latter part of May and from about May 15 to the end of the month hotel accommodation will be unobtainable because the Government has taken over all hotels for that period. Intending business visitors are recommended not to visit Addis Ababa during this period unless assured of accommodation.

Tariff, Customs, Import and Other Regulations in Overseas Countries

Registered Trade Mark (rtm) Goods in Overseas Tariff Lists

THE LISTS OF TARIFF, Customs and import regulation changes in overseas countries published in this section of the Journal some times contain words which are registered trade marks in the United Kingdom. So far as is practicable, all lists of goods are checked before publication from this point of view.

Items which fall into this category will now be prefixed by the letters 'r t m'. Readers of the Journal should note that this prefix signifies that the words are registered trade marks in the United Kingdom, but that in the present context they are assumed to refer generally to products of the description stated in brackets.

While every attempt will be made to ensure that the scrutiny is complete, the lists may contain other words which are registered as trade marks in the United Kingdom or in other countries but which it has not been possible to identify.

AUSTRALIA

Details of Tariff Changes

DETAILS are given below of the changes made in the Australian Tariff by the Customs Proposals which came into effect on March 25, 1963. Deletions from and additions to the Customs Tariff are shown by square brackets and italics respectively.

Tariff Item	Goods	Former Duties			New Duties		
		British Preferential	Most-Favoured-Nation	General	British Preferential	Most-Favoured-Nation	General
176	(E) Laundry machines and appliances, not being of the type ordinarily used in the household, viz.:						
	(5) (*New paragraph*) *Garment formers (finishers)* . . . . . *ad val.*	27½%	55% (Under Item 176 (F) (1))	57½%	22½%	32½%	35%
459	Textile goods, viz.: of silk or having a textile fibre content in chief part by weight of silk, not covered by Item 117, 118, 120 (C), 331, 472, 475, 476, 477, 478, 480, 481 or 482:						
	(B) (1) Yarns:						
	[(b) Of silk or of silk and man-made fibres, not being of types ordinarily used by hand] *ad val.*	12½%	32½%	32½%	Free (Under Item 459 (B) (1) (c))	7½%	7½%
	(*b*) *No sub-paragraph.*						
	[(2) Silk-worm gut, non-sterile:						
	(a) The value for duty of which is not less than 37s. 3d. per 100 feet . *ad val.*	Free	7½%	7½%	7½%	15%	15%
	(b) The value for duty of which is less than 37s. 3d. per 100 feet . *ad val.*	17½%	47½%	47½%		(Under new Item 459 (B) (2))	
	ad val.	5%	Primage duty 10%	10%			
	(3) Imitation catgut, non-sterile] . . . . . *ad val.*	27½%	52½%	52½%	7½% (Under new Item 459 (B) (3))	15%	15%
	(2) *Silk-worm gut, non-sterile*. . . . . *ad val.*	Free (Under former Item 459 (B) (2) (a))	7½%	7½%	7½%	15%	15%
	ad val.	17½%	47½% Primage duty	47½%			
	ad val.	5% (Under former Item 459 (B) (2) (b))	10%	10%			
	(3) *Imitation catgut, non-sterile* . . . . . *ad val.*	27½% (Under former Item 459 (B) (3))	52½%	52½%	7½%	15%	15%
463	Textile goods, viz.: of flax or of ramie or of flax and ramie or having a textile fibre content in chief part by weight of flax or ramie or of flax and ramie, not covered by Item 117, 118, 120 (C), 331, 472, 475, 476, 477, 478, 480, 481 or 482:						
	(B) Yarns:						
	(2) [Sewing yarns or threads, of flax fibres or of ramie fibres or of flax and ramie fibres, with or without true hemp or manila hemp fibres] *Multi-ply flax, sewing yarns, glazed or polished:*						
	(a) Put up for retail sale:						
	(1) In skeins . . . . . *ad val.*	20%	37½% Primage duty	37½%		No change	
	ad val.	Exempt	5%	10%			
	(2) Other . . . . . *ad val.*	Free	7½%	7½%			
	(b) Other:						
	(1) Having a running length not exceeding 2,400 yards per lb. or having any single ply up to and including No. 24 lea . . . . *ad val.*	20%	37½% Primage duty	37½%		No change	
	ad val.	Exempt	5%	10%	20% (Under new Item 463 (B) (5) (a) (1))	42½%	47½%
	(2) Other . . . . . *ad val.*	Free	7½%	7½%	No change (Under Item 463 (B) (2) (b) (2) or new Item 463 (B) (5) (a) (3))		
	ad val.				20% (Under new Item 463 (B) (5) (a) (2))	37½%	47½%
	[(3) Other:						
	(a) Singles:						
	(1) Of flax fibres with or without true hemp or manila hemp fibres, in lea not finer than No. 24 . . . . . *ad val.*	12½%	27½%	27½%	12½% (Under new Item 463 (B) (4) (a))	27½%	37½%
	(2) Other . . . . . *ad val.*	Free	7½%	7½%	No change (Under new Item 463 (B) (4) (b))		
	ad val.				12½% (Under new Item 463 (B) (4) (a))	27½%	37½%
	(b) Other] . . . . . *ad val.*	17½%	45% Primage duty	50%	No change (Under new Item 463 (B) (3))		
	ad val.	Exempt	5%	10%	12½% (Under new Item 463 (B) (5) (b) (1))	27½%	37½%
	ad val.				Free (Under new Item 463 (B) (5) (b) (2))	7½%	7½%
	(3) *Other glazed or polished multi-ply flax yarns* . . . . . *ad val.*	No change (Under former Item 463 (B) (3) (b))			17½%	45% Primage duty	50%
	ad val.				Exempt	5%	10%
	(4) *Single ply yarns:*						
	(*a*) *Of No. 25 lea or coarser* . . . . . *ad val.*	12½% (Under former Item 463 (B) (3) (a) (1))	27½%	27½%	12½%	27½%	37½%
	ad val.	Free (Under former Item 463 (B) (3) (a) (2))	7½%	7½%			
	(*b*) *Other* . . . . . *ad val.*	No change (Under former Item 463 (B) (3) (a) (2))			Free	7½%	7½%

Australia (*Continued*)

Tariff Item	Goods	Former Duties			New Duties		
		British Preferential	Most-Favoured-Nation	General	British Preferential	Most-Favoured-Nation	General
	(5) *Multi-ply yarns, not covered by paragraph* (2) *or* (3):						
	(*a*) *Sewing yarns:*						
	(1) *Having a running length not exceeding* 2,400 *yards per lb.; sewing yarns of a ply of which is No.* 24 *lea or coarser* . . . . . *ad val.*	20%	37½%	37½%	20%	42½%	47½%
			Primage duty				
	ad val.	Exempt	5%	10%			
		(Under former Item 463 (B) (2) (b) (1))					
	(2) *Having a running length exceeding* 2,400 *yards per lb. and not exceeding* 2,500 *yards per lb.; sewing yarns a ply of which is finer than No.* 24 *lea and not finer than No.* 25 *lea* . . . . . *ad val.*	Free	7½%	7½%	20%	37½%	47½%
		(Under former Item 463 (B) (2) (b) (2))					
	(3) *Other* . . . . . *ad val.*	No change			Free	7½%	7½%
		(Under former Item 463 (B) (2) (b) (2))					
	(*b*) *Other:*						
	(1) *Having a ply which is No.* 25 *lea or coarser* . . . . . *ad val.*	17½%	45%	50%	12½%	27½%	37½%
			Primage duty				
	ad val.	Exempt	5%	10%			
	(2) *Other* . . . . . *ad val.*	(Under former Item 463 (B) (3) (b))			Free	7½%	7½%
466	Textile goods, viz.: of jute or having a textile fibre content in chief part by weight of jute, not covered by Item 117, 118, 120 (C), 331, 472, 475, 476, 477, 478, 480, 481 or 482:						
	[(B) Yarns:						
	(1) Of jute fibres:						
	(a) Singles . . . . . *ad val.*	17½%	30%	30%	17½%	30%	40%
	(b) Other . . . . . *ad val.*	17½%	45%	50%	(Under new Item 466 (B) (2))		
			Primage duty				
	ad val.	Exempt	5%	10%			
	(2) Other:						
	(a) Containing not less than 20 per cent. by weight of wool calculated on the textile fibre content . . . . . per lb.	4d.	10d.	1s. 0d.	No change		
	and *ad val.*	10%	17½%	30%	(Under new Item 466 (B) (1))		
	(b) Other] . . . . . *ad val.*	Free	7½%	7½%	17½%	30%	40%
					(Under new Item 466 (B) (2))		
	(*B*) *Yarns:*						
	(1) *Containing not less than* 20 *per cent. by weight of wool calculated on the textile fibre content* . . . . . *per lb.*	No change			4d.	10d.	1s. 0d.
	and *ad val.*	(Under former Item 466 (B) (2) (a))			10%	17½%	30%
	(2) *Other* . . . . . *ad val.*	Various			17½%	30%	40%
		(Under former Items 466 (B) (1) (a), (B) (1) (b) and (B) (2) (b))					
467	Textile goods, viz.: of true hemp [or of manila hemp or of true hemp and manila hemp] or having a textile fibre content in chief part by weight of true hemp [or manila hemp or of true hemp and manila hemp,] not covered by Item 117, 118, 120 (C), 331, 472, 475, 476, 477, 478, 480, 481 or 482:						
	(A) Raw or processed but not spun; tow and waste:						
	(1) Slivers or rovings . . . . . *ad val.*	17½%	45%	50%	No change		
			Primage duty				
	ad val.	Exempt	5%	10%			
	(2) Other	Free	Free	Free			
	(B) Yarns:						
	(1) Containing not less than 20 per cent. by weight of wool calculated on the textile fibre content . . . . . per lb.	4d.	10d.	1s. 0d.	No change		
	and *ad val.*	10%	17½%	30%			
	(2) [Sewing yarns or threads of true hemp or manila hemp fibre with or without flax fibres] *Multi-ply sewing yarns, glazed or polished:*						
	(a) Put up for retail sale:						
	(1) In skeins . . . . . *ad val.*	20%	37½%	37½%	No change		
			Primage duty				
	ad val.	Exempt	5%	10%			
	(2) Other . . . . . *ad val.*	Free	7½%	7½%			
	(b) Other:						
	(1) Having a running length not exceeding 2,400 yards per lb. or having any single ply up to and including No. 24 lea . . . . . *ad val.*	20%	37½%	37½%	No change		
			Primage duty				
	ad val.	Exempt	5%	10%	20%	42½%	47½%
	(2) Other . . . . . *ad val.*	Free	7½%	7½%	(Under new Item 467 (B) (5) (a) (1))		
					No change		
	ad val.				(Under Item 467 (B) (2) (b) (2) or New Item 467 (B) (5) (a) (3))		
					20%	37½%	47½%
					(Under new Item 467 (B) (5) (a) (2))		
	[(3) Other:						
	(a) Singles:						
	(1) Of true hemp or of manila hemp, with or without flax fibres, in lea not finer than No. 24 . . . . . *ad val.*	12½%	27½%	27½%	12½%	27½%	37½%
					(Under new Item 467 (B) (4) (a))		
	(2) Other . . . . . *ad val.*	Free	7½%	7½%	No change		
					(Under new Item 467 (B) (4) (b))		
	ad val.				12½%	27½%	37½%
					(Under new Item 467 (B) (4) (a))		
	(b) Other] . . . . . *ad val.*	17½%	45%	50%	No change		
			Primage duty		(Under new Item 467 (B) (3))		
	ad val.	Exempt	5%	10%	12½%	27½%	37½%
					(Under new Item 467 (B) (5) (b) (1))		
	ad val.				Free	7½%	7½%
					(Under new Item 467 (B) (5) (b) (2))		
	(3) *Other glazed or polished multi-ply yarns* . . . . . *ad val.*	No change			17½%	45%	50%
		(Under former Item 467 (B) (3) (b))				Primage duty	
	ad val.				Exempt	5%	10%
	(4) *Single ply yarns:*						
	(*a*) *Of No.* 25 *lea or coarser* . . . . . *ad val.*	12½%	27½%	27½%	12½%	27½%	37½%
		(Under former Item 467 (B) (3) (a) (1))					
	ad val.	Free	7½%	7½%			
		(Under former Item 467 (B) (3) (a) (2))					
	(*b*) *Other* . . . . . *ad val.*	No change			Free	7½%	7½%
		(Under former Item 467 (B) (3) (a) (2))					
	(5) *Multi-ply yarns not glazed or polished:*						
	(*a*) *Sewing yarns:*						
	(1) *Having a running length not exceeding* 2,400 *yards per lb.; sewing yarns a ply of which is No.* 24 *lea or coarser* . . . . . *ad val.*	20%	37½%	37½%	20%	42½%	47½%
			Primage duty				
	ad val.	Exempt	5%	10%			
		(Under former Item 467 (B) (2) (b) (1))					

(*Continued on next page*)

Australia (*Continued*)

Tariff Item	Goods	Former Duties			New Duties		
		British Preferential	Most-Favoured-Nation	General	British Preferential	Most-Favoured-Nation	General
	(2) *Having a running length exceeding 2,400 yards per lb. and not exceeding 2,500 yards per lb.; sewing yarns a ply of which is finer than No. 24 lea and not finer than No. 25 lea* . . . . . *ad val.*	Free	7½% (Under former Item 467 (B) (2) (b) (2))	7½%	20%	37½%	47½%
	(3) *Other* . . . . . *ad val.*	No change (Under former Item 467 (B) (2) (b) (2))			Free	7½%	7½%
	(*b*) *Other:*						
	(1) *Having a ply which is No. 25 lea or coarser* . . . . . *ad val.*	17½%	45% Primage duty 5%	50% 10%	12½%	27½%	37½%
	(2) *Other* . . . . . *ad val.*	Exempt			Free	7½%	7½%
468	Textile goods, viz.: of vegetable textile fibres or having a textile fibre content in chief part by weight of vegetable textile fibres, not covered by Item 117, 118, 120 (C), 331, 442, 457, 461, 463, 464, 466, 467, 472, 475, 476, 477, 478, 480, 481 or 482:	(Under former Item 467 (B) (3) (b))					
	(B) Yarn:						
	(1) Of coir *or having a textile fibre content in chief part by weight of coir, not covered by paragraph* (2) . . . . . *ad val.*	Free	Free	Free		No change	
470	(A) Yarns of paper or in chief part by weight of paper, not being metallized yarns . . . . . *ad val.*	17½%	45% Primage duty 5%	50% 10%	Free	7½%	7½%
		Exempt					

Note: Specific rates are shown in Australian currency: £A125 = £ Sterling 100.

Revision of Customs By-laws

THE AUSTRALIAN Department of Customs and Excise have announced changes in the By-laws shown below:

Amended By-laws

The following By-laws have been amended to apply to the goods as shown:

Goods	Classification the British and Duty under Preferential Tariff	
	Tariff Item	Rate of Duty
YARNS:		
Cotton:		
Folded in the grey for mercerizing, under security	449 (A) (1)	Free
Flax:		
For use in the manufacture of towels or towelling under security		
Man-made fibres:		
Polyester, continuous filament		

Decisions of Tariff Classifications

THE AUSTRALIAN Department of Customs and Excise have announced the following decisions on the application of the Australian Tariff:

ELECTRICAL APPLIANCES AND MATERIALS:		
Switches:		
Detectors thermal fire alarm being building 'Thermostats' or fire protection warning devices	179 (B) (7)	22½% *ad val.*
NOTE: This decision covers 'Spot Fire Lowecators' but such goods on firm order overseas before January 31, 1963, and entered for home consumption on or before May 31, 1963, may be entered Item 418 (H) (2).		
SETS:		
Biscuit making, consisting of an aluminium syringe with shaping discs and nozzles for household use	204 (B) (1) (a)	17½% *ad val.*

Special Advisory Authority Inquiry Result

A NOTICE was published in the *Board of Trade Journal* on March 8, 1963 (page 596) to the effect a reference had been made to the Australian Special Advisory Authority in respect of phthalates.

The inquiry has now been held and as a result of the Special Advisory Authority's recommendations temporary additional duties of £25 per ton plus a further £1 per ton for every £1 or part thereof by which the f.o.b. price is less than £175 per ton have been imposed on phthalic esters not including cellulose acetate phthalate.

These new duties do not apply to goods in transit on, or before, March 1, 1963. Further details will be published as soon as possible.

Note: Specific rates are quoted in Australian currency: £A125 = £100 Sterling.

Tariff Changes

CHANGES have been made in the Australian Tariff affecting the rates of duty payable on capacitors classifiable under Items 181 (H) (2) and (H) (6). The new duties on these goods are 90 per cent. *ad valorem* (British Preferential Tariff) and 100 per cent. *ad valorem* (Most Favoured Nation).

Details of the changes in the Tariff will be published in the *Board of Trade Journal* as soon as possible.

Broadsheets on Trade Expansion

A NEW series of broadsheets on Britain entitled 'Looking Ahead' opens with the publication of 'Why?', the first of a group of three issues on trade expansion. The three titles in this group will show why Britain needs to increase trade, how this can be achieved, and where she may find expanding markets.

Copies of 'Why?' are available now from Circulation Section (H), Central Office of Information, Hercules Road, London, S.E.1.

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NEW ZEALAND

1962-63 Import Licensing Schedule

THE NEW ZEALAND Customs Department have issued the following particulars of decisions relating to the Import Licensing Schedule for the 1962-63 period (see *Board of Trade Journal* of March 23, 1962, pages 623-631, March 30, 1962, pages 699-707, April 6, 1962, pages 767-776, and amendments published subsequently).

ITEM CODE 66.15 – NATURAL OR ARTIFICIAL ABRASIVE POWDER OR GRAIN, ETC., VIZ., OTHER KINDS

The conditions on increased licences for item code 66.15, authorized following the review of the 1962-63 import licensing schedule (see *Board of Trade Journal* of November 9, 1962, page 975, Schedule 'A' and of November 23, 1962, p. 1085), have been changed to read:

'Not available for the importation of:

(1) Coated abrasives with aluminium oxide grain, natural or coloured, on backings of paper, cloth or fibre however bonded and in any form except:
  (a) Moulded (curved) cloth for the shoe trade.
  (b) Buffing papers especially dulled for the Tanning Trade.
  (c) Floor sanding materials in paper and cloth or combination paper-cloth, bonded resin over glue, or resin over resin.
  (d) Sticky back shapes for the Shoe Trade.
  (e) Made-up belts in any material wider than 18 in.
  (f) Nylon screen discs.

(2) Coated abrasives with Silicon Carbide grain on backings of Paper, Cloth or Fibre however bonded and in any form except:
  (a) Waterproofed cloth backings.
  (b) Silicon Carbide hand rubbing dry papers in the form of sheets, rolls, or Jumbo rolls in finishing ('A' weight) and cabinet ('C' and 'D') weight backing papers.
  (c) Floor sanding materials in cloth, paper or combination paper cloth backings, bonded resin over glue or full resin.
  (d) Silicon Carbide cloth backed materials in either glue bonding or resin bonding.
  (e) Silicon Carbide Fibre discs with any bonding.
  (f) Made-up belts wider than 18 in. or Jumbo rolls over 36 in. in width.
  (g) Nylon screen discs.
  (h) Non-slip flooring cleats.

(3) Coated abrasives with Garnet Grain on backings of paper or cloth however bonded except:
  (a) Handpapers in the form of cut sheets, rolls or Jumbo rolls in finishing ('A' weight) and cabinet ('C' and 'D') weight backing papers.
  (b) Cloth backings in 'J' or Jeans weight material.
  (c) Made-up belts in any material, that is cloth or paper wider than 18 in.
  (d) Nylon screen discs.'

Licences for the current period will not be recalled for re-endorsement but they will be accepted in respect of importations falling within the terms of 1 (a-f), 2 (a-h) and 3 (a-d) above.

Customs Tariff Inquiry

THE NEW ZEALAND Tariff and Development Board Inquiry into the rates of duty which should be imposed on Tariff Items Ex. 621.030.9, Ex. 655.500.0 and 841.450.2 (see *Board of Trade Journal* of March 29, page 728) has been extended to cover elastic fabrics and trimmings (woven, knitted or crocheted) of textiles combined with threads of substances having elastic properties of rubber, classified under Tariff Groups 652, 653, 654.

The date by which evidence should be submitted to the Tariff and Development Board is still May 7, 1963. Any firm wanting further information should approach the Commercial Relations and Exports Department, Board of Trade, Horse Guards Avenue, London, S.W.1. (Tel. Trafalgar 8855, Ext. 2611), quoting reference C.R.E. 3016/63.

Any British trade association or firm proposing to submit evidence is asked to advise the Commercial Relations and Exports Department, Board of Trade, of its intention.

Trader Handbook 1963

The 57th edition of a legal, technical and buying guide to the motor, motor cycle, and cycle trades entitled 'Trader Handbook 1963', has been published. Copies: Iliffe Books Ltd., Stamford Street, London, S.E.1. Price 27s. 6d. By post 30s.

1963-64 Import Licensing Schedule

THE NEW ZEALAND Import Licensing Schedule for the year commencing July 1, 1963, to June 30, 1964, was released on March 19. Since many of the commodities have been given the same allocation as for the current licensing year ending on June 30 (see *Board of Trade Journal* of March 23, 1962, pages 626-631, March 30, 1962, pages 699-707, April 6, 1962, pages 767-776, and amendments published subsequently), the full schedule is not being published in this *Journal*, but a copy is now available for inspection at Room E.54, Board of Trade, Hillgate House 35 Old Bailey, London, E.C.4. (Tel. City 5757, Ext. 469). Some alterations have, however, been made, particularly in the availability of licences and the grouping of certain goods, details of which are given below.

Many of the more important raw material requirements of industry have been placed in licensing Category A which allows the issue of additional licences against actual need as demonstrated by sales of usage in manufacture by the licence holder. These new Category A items are:

Most basic metals in ingot or primary forms
Galvanized corrugated iron
Coffee, raw
Spices, unground (other than retail packages)
Rubber, crude
Gypsum
Waxes and tanning materials
Shellac and certain gums and resins,
Kapok
Petroleum jelly and some mineral oil products
Many dry colours and pigments of the type used in paint manufacture
Timber preserving preparations
Match splints
Meat wraps
Baling wire
Wire netting
Certain medical preparations and drugs (notably those approved in the free list for Social Security purposes)
Domestic and industrial sewing machines
Infant feeding bottles and teats
Artificial eyes
Sewing needles
Gramophone needles
Engineers' studs, etc.
Parts of aircraft
Infants' footwear

Printed books and detonators have been exempted from licensing control as from March 20.

Increased allocations have been made for dried fruit, canned fish, adding machines, etc., cartridges of types not made in New Zealand and certain types of seed.

A special scheme under which manufacturers may group licence entitlements for a wide range of commodities required in their own manufacture is introduced in order to provide manufacturers with greater flexibility in the use of their available import allocations. A considerable degree of re-grouping has been achieved in the Schedule itself. A further group scheme is at present being prepared and details will be released in the near future by the New Zealand Customs Department.

Licences for motor vehicles will be available at the same level as at present. Applications for licences will continue to be considered individually but the practice of issuing separate licences for cars imported from dollar and non-dollar sources will be discontinued.

Some allocations for particular commodities have been reduced where licences have not been fully taken up during the current licensing period.

Token licence allocations re-introduced for certain goods in October 1962 (see *Board of Trade Journal*, November 9, 1962, pages 975/6, and subsequent amendments) will be continued.

All inquiries, other than those concerning the actual contents of the new Schedule, should be made to Commercial Relations and Exports Department, Board of Trade, Horse Guards Avenue, London, S.W.1. (Tel.: Trafalgar 8855, Ext. 2611 or 2793).

CEYLON

Import Trade Control

IMPORT CONTROL Trade Notice No. 9 published in the Ceylon *Government Gazette Extraordinary* No. 13,568 of March 19, 1963, gave the following information on import quotas for 1963:

1. *Licensing Programme* 1963: Import allocations for 1963 will be issued to registered importers on the lines indicated in Trade Notice No. 4 – details of which were given in the *Board of Trade Journal* of December 7, 1962 (page 1196)).

The import allocations will be released to the trade in two stages (*vide* para. 1 of Import Control Notice No. 58/62 – brief details of which were given in the *Board of Trade Journal* of December 21, 1962 (page 1298)).

Stage I – Issue of advance allocations (para. 12 of Trade Notice No. 6 – details of which were given in the *Board of Trade Journal* of January 11, 1963 (page 111)).

Stage II – Issue of balance allocations after final import allocations have been determined under the Quota Registration Scheme (para. 11, Trade Notice No. 6).

2. *Advance Allocations: Stage I of the licensing programme will be completed by March* 31, 1963. *'Advance Quotas' have been released to registered importers in accordance with the scheme outlined in Import Control Notice No.* 58/62, *dated December* 5, 1962.

3. *Final Allocations:* An Import Quota Registration Scheme for determining import quotas to registered importers will be announced in the *Government Gazette*. The main features of the proposed scheme are:

(*a*) An importer may select his best year of imports, 1959, 1960 or 1961, as his 'Basic Year' for any specified quota item (para. 11, Trade Notice No. 6);
(*b*) The importer's 'selected year imports' will be registered with this Control after the import documents furnished by him have been examined and accepted by this Department.
(*c*) Import quotas will be fixed in relation to the importer's 'Basic Year Imports' and will be released to those importers whose 'certified statements' are found to be correct on preliminary investigation (licensing programme – April/May 1963).

4. *Special Licences:* Special import licences have also been issued to registered importers for items the importation of which may be urged on grounds of essentiality and extreme urgency (*vide* Trade Notice No. 3 and para. 13 of Trade Notice No. 6).

5. *Balance Allocations:* The full value of the Import Quotas fixed for 1963, will be released after setting off the following:

(*a*) value of Advanced Quotas;
(*b*) value of Special Licences, if any (para. 4 above);
(*c*) value of covering licences (*vide* para. 3 of Trade Notice No. 5 – details of which were given in the *Board of Trade Journal* of December 7, 1962 (page 1199 under Licensing Procedure)).

6. *Import Quotas:* Importers are reminded that the final allocation of import quotas to the trade will be based on the scheme of Exchange allocations referred to in para. 4 of Trade Notice No. 6. Import allocations to the Trade will therefore exclude the value of imports released to 'Actual User' importers, Government Departments, State Corporations, and other approved 'Direct User' importers. *In the circumstances, the 'Advance Quotas' issued to the trade are substantial.*

7. *Importers and Import Licences:* It is proposed to release for general information particulars relating to import licences issued under the licensing schemes described above. In respect of selected import items, the names of importers, their 'declared 1961 imports' and the import licences issued to them will also be announced.

Imports of Paper and Paper Board

IMPORT CONTROL Notice No. 14/63 published in the Ceylon *Government Gazette Extraordinary* of March 13 requested importers to furnish 'Declarations' in the forms prescribed in Appendix B of Import Control Notice No. 58/62 in respect of the items of paper and paper board (excluding waste paper and old paper) described below:

(1) Airmail paper
(2) Art paper
(3) Cheque paper
(4) Chrome paper
(5) Ledger paper
(6) Litho printing paper
(7) Vellum parchment paper
(8) Antique paper
(9) Imitation art paper
(10) Chrome label paper
(11) Chrome art paper
(12) Cartridge paper
(13) Teleprinter paper
(14) Onion skin finish paper
(15) One side coated paper

Brief details of Import Control Notice No. 58/62 were published in the *Board of Trade Journal* of December 21, 1962, (page 1298).

Personal Imports of Publications

IMPORT CONTROL Notice No. 15/63 informed the general public in Ceylon that an individual import licence was no longer required for the importation of books, pamphlets, newspapers and periodicals, provided that such import was for personal use only (and not for sale) and that the c.i.f. value of any single consignment did not exceed Rs. 50.

Imports of books, pamphlets, newspapers and periodicals are still subject to the approval of the Principal Collector of Customs.

Export Duty on Coconut Products

AN ORDER was made in Ceylon on January 7, 1963, which alters the export duty on copra, coconut oil, desiccated coconut and fresh coconuts.

Further information about this notice can be obtained from Commercial Relations and Exports Department, Board of Trade, Horse Guards Avenue, London, S.W.1, (Tel. Trafalgar 8855, Ext. 2798).

UNITED STATES

Reductions in Import Duties

THE PRESIDENT of the United States has issued a Proclamation giving effect to certain tariff concessions, details of which are shown below. Some of these are the result of a bilateral agreement between the United States and Japan under the General Agreement on Tariffs and Trade and are in compensation for the increase in United States tariffs on carpets and glass. Others are the result of a bilateral agreement between the United States and Spain pending the accession of that country to the GATT. The remainder are the result of bilateral agreements between the United States and Japan, Switzerland and the EEC under the GATT and are intended to rectify certain items in the tariff concessions granted in 1962 and announced in the *Board of Trade Journal* of May 25 and June 1, 8 and 15, and July 13, 1962.

The concessions will also apply to imports from Britain. The rates shown in Column A became effective on February 1, 1963, and those in Column B are expected to be brought into effect on February 1, 1964.

Tariff paragraph	Description of products	Rates of Duty	
		A	B
27 (a) (3) (5)	7-amino-1, 3-naphthalenedisulfonic acid (including salts thereof) 5-amino-2-naphthalenesulfonic acid (including salts thereof) 8-amino-1-naphthalenesulfonic acid (including salts thereof) 8-amino-2-naphthalenesulfonic acid (including salts thereof) 6-amino-1-naphthol-3-sulfonic acid (including salts thereof) 8-amino-1-naphthol-5-sulfonic acid (including salts thereof) 4-amino-2-stilbenesulfonic acid (including salts thereof) 2-naphthol-3, 6-disulfonic acid (including salts thereof) 7-nitronaphth[1, 2]oxadiazole-5-sulfonic acid (including salts thereof)	3·1 cents per lb. and 22½% *ad val.*	2·8 cents per lb. and 20% *ad val.*
53	Olive oil, not specially provided for (not including olive oil, weighing with the immediate container less than 40 pounds)	2·92 cents per lb.	2·6 cents per lb.
58	Oils distilled or essential, not mixed or compounded with or containing alcohol: Eucalyptus	5% *ad val.*	4% *ad val.*
73	Natural iron-oxide and iron-hydroxide pigments not specially provided for	18% *ad val.*	16% *ad val.*
229	Incandescent electric-light bulbs and lamps: with metal filaments (except miniature Christmas-tree) without filaments	9% *ad val.* 9% *ad val.*	8% *ad val.* 8% *ad val.*
804	Still wines produced from grapes (not including vermouth) containing over 14 per cent. of absolute alcohol by volume: Sherry	81·12 per gal.	81·00 per gal.
1209	Handkerchiefs and woven mufflers, wholly or in chief value of silk, finished or unfinished, and valued at more than $5 per dozen: Hemmed or hem-stitched (except block-printed by hand)	25% *ad val.*	No second stage
1210	Clothing and articles of wearing apparel of every description, manufactured wholly or in part, wholly or in chief value of silk, and not specially provided for: Scarves	30% *ad val.*	No second stage
1513	Toys, not specially provided for: Toys capable of emitting sound and in the forms of musical instruments	29% *ad val.*	26% *ad val.*
1539 (b)	Manufactures wholly or in chief value of any of the laminated products provided for in paragraph 1539 (b), Tariff Act of 1930.	19 cents per lb. and 15½% *ad val.*	17 cents per lb. and 14% *ad val.*
1558	Articles manufactured, in whole or part, not specially provided for: Capers in brine or otherwise preserved	18% *ad val.*	16% *ad val.*

Modern Advertising and the Law

'Modern Advertising Law' (Peter Langdon-Davies), sponsored by the Institute of Practitioners in Advertising, aims not only to explain the subject to students, but also to serve as a reference book in agencies. Copies: Business Publications Ltd., 109-119 Waterloo-road, London, S.E.1. Price 21s. (21s. 11d. post paid), student edition 12s. 6d. (13s. 6d. post paid).

CANADA

Temporary Entry of Articles for Special Use Regulations

DETAILS OF the regulations respecting the temporary admission into Canada of articles for special use were last published in the *Board of Trade Journal* of March 21, 1958. Under Order in Council P.C. 1962 - 1594, dated November 8, 1962, the regulations have been superseded by the Temporary Entry of Articles for Special Use Regulations, the full text of which is given below:

1. These Regulations may be cited as the Temporary Entry of Articles for Special Use Regulations.

2. In these Regulations,
   (a) 'Collector' has the same meaning as in the Customs Act; and
   (b) 'Department' means the Department of National Revenue, Customs and Excise Division.

3. (1) A person who is not a resident of Canada may import any article set out in column II of item 1 of Schedule A for the special use set out opposite that article in column III of that schedule without paying Customs duties and Excise taxes on the article.

(2) A resident of Canada may import any article set out in column II of item 2 of Schedule A for the special use set out opposite that article in column III of that schedule without paying Customs duties and Excise taxes on the article.

(3) Where the Collector does not limit the duration of the entry, an article imported under subsection (1) or (2) may be kept in Canada without payment of Customs duties and Excise taxes thereon for a maximum period of twelve months.

4. Application for the temporary entry of articles under these Regulations shall be made to the Collector and each application shall be accompanied by an itemized invoice or a detailed list of the articles being imported setting out the value of each article at the time and place of shipment to Canada.

5. Upon receipt of an application for the temporary entry of articles, the Collector shall determine
   (a) whether security is to be given in respect of the Customs duties and Excise taxes payable on the article imported;
   (b) the amount of any such security; and
   (c) the period of time up to a maximum of twelve months that the article may be kept in Canada without payment of Customs duties and Excise taxes thereon.

6. Where security is required by the Collector, it shall be given by the importer and shall take the form of
   (a) cash, a certified cheque or a Government of Canada Bond; or
   (b) a bond in a minimum amount of two hundred dollars of a guarantee company approved by the Treasury Board which bond shall be in a form prescribed by the Minister of National Revenue.

7. (1) Subject to subsection (2), security given under section 6 in respect of any article shall be released upon
   (a) exportation of the article under Customs supervision; and
   (b) surrender of the temporary entry form completed in respect of the article.

(2) Where an article is:
   (a) used for a purpose other than the special use for which it was imported; or
   (b) kept in Canada for a period longer than
      (i) the period of time determined by the Collector pursuant to section 5, or
      (ii) where no determination was made by the Collector, twelve months from the date of importation of the article,

the Customs duties and Excise taxes payable on the article shall be paid forthwith by the importer.

(3) Where an importer does not pay forthwith all duties and taxes that become payable under subsection (2), the security given in respect of those duties and taxes may be forfeited and applied in reduction of them.

8. (1) Where an importer contemplates the temporary entry of various articles for special uses from time to time during a twelve month period, security covering such importations may be filed with the Collector in advance.

(2) Where importations described in subsection (1) are to be made through more than one port, application for the entry of the articles shall be made to the Department at Ottawa and, in addition to the information required by section 4, each application shall be accompanied by a detailed explanation of the attendant circumstances.

(3) Where an application in respect of the temporary importation of articles is made to the Department under subsection (2) the Deputy Minister of National Revenue for Customs and Excise shall perform all duties required to be performed by the Collector pursuant to sections 5

(*Continued on next page*)

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and 7, except that the Deputy Minister may retain all or part of the security during the period in which further importations by the importer are contemplated.

SCHEDULE A

Column I Importer	Column II Article	Column III Special Use
1. Any person who is not a resident of Canada.	(a) (i) Musical instruments . (ii) Trained animals. (iii) Costumes. (iv) Stage properties and related theatrical equipment.	(a) For entertainment.
	(b) (i) Photographic equipment. (ii) Transmitting equipment not required to be licensed by the Department of Transport. (iii) Radio and television equipment. (iv) Sound recording apparatus and related equipment.	(b) For use in covering news events.
	(c) Photographic and related equipment.	(c) For use in the production of travelogue films or illustrated articles in foreign periodicals which would be of benefit to the Canadian tourist industry.
	(d) Lecture material . .	(d) For illustrating non-commercial lectures.
	(e) Animals and related equipment.	(e) For exhibition, training or breeding.
	(f) Sulkies, saddles, harness and related equipment.	(f) For use in horse racing.
	(g) Travellers' samples .	(g) For display.
	(h) Plans, drawings, blueprints, specifications and related articles of a technical nature.	(h) For use in bidding on a project in a foreign country, producing goods for export or giving professional advice in respect of work in a foreign country.
	(i) Motion picture films, slides and sound recordings, of a religious, scientific or cultural character.	(i) For a period not exceeding ninety days pending certification required under Tariff Item 696 a.
	(j) Motion picture films and slides devoid of advertising.	(j) For training employees.
	(k) Articles to be repaired, adjusted or tested.	
2. Any resident of Canada	(a) Animals and related equipment.	(a) For training or breeding.
	(b) Plans, drawings, blueprints, specifications and related articles of a technical nature.	(b) For use in bidding on a project in a foreign country, producing goods for export or giving professional advice in respect of work in a foreign country.
	(c) Motion picture films, slides and sound recordings of a religious, scientific or cultural character.	(c) For a period not exceeding ninety days pending certification required under Tariff Item 696 a.
	(d) Motion picture films and slides devoid of advertising.	(d) For training employees.
	(e) Motion picture film and television and radio programmes.	(e) For screening by a recognized board of censors.
	(f) Articles to be repaired, adjusted or tested.	

INSTRUCTIONS

Wireless Telephotò machines for temporary use in Canada must be licensed by the Department of Transport before temporary entry can be authorized; however, any transmitting equipment technically described as a facsimile device used in conjunction with the telephone system, is not required to be licensed.

The above information is contained in Canadian Department of National Revenue Memorandum Series D4-1, dated March 8, 1963.

Remaining Import Surcharges Removed

THE CANADIAN GOVERNMENT has now announced that with effect from April 1, 1963, the surcharge on the remaining tariff items has been removed.

Details were published in the *Board of Trade Journal* of July 13 (pages 86 to 93) and July 20, 1962 (pages 144 to 147) of the tariff items affected by the temporary graduated surcharge on imported goods. Announcements in the *Board of Trade Journal* of August 3, September 14, October 26 and November 23, 1962, and March 1, 1963, gave details of tariff items on which the surcharge had been eliminated or reduced.

'Made in Canada' Ruling

THE FOLLOWING ruling has been made for Customs purposes: *Of 'a class or kind made in Canada'*:

> Industrial trucks, gas or gasoline powered, commonly known as fork lift or lift trucks for the movement of goods having rated lifting capacities when equipped with forks from 2,000 pounds to 16,000 pounds inclusive, at a load centre of 24in. from the face of the forks.
>
> (Ruling effective April 28, 1963.)

The above information is contained in Canadian Department of National Revenue Memorandum Series D51-21-1. Dated March 29, 1963.

BARBADOS

Exemptions from Import Duty

THE BOARD OF TRADE have received a copy of an Order which amends the Second Schedule of the Barbados Customs Tariff Act, 1921 (Table of Exemptions from import Duty) by inserting immediately after the paragraph beginning with the words 'Machinery, equipment and apparatus imported into the Island by or on behalf of the Contractors for the new General Hospital' the following new paragraph:

> Materials, including packaging materials, other than such materials as the Governor-in-Executive Committee may for the purposes of this paragraph declare by Notice published in the *Official Gazette* to be obtainable in the Island, which are proved to the satisfaction of the Comptroller of Customs to have been imported by or on behalf of a person or company in this Island engaged in the manufacture of mattresses, pillows and divans in a factory employing not less than six persons, on the certificate of such person or in the case of a company, on the certificate of the Secretary of such company that such materials are imported for use exclusively in the manufacture and packaging of mattresses, pillows and divans within such factory, subject to and in accordance with the conditions specified in the Customs Duties (Raw materials for the Manufacture of Mattresses, Pillows and Divans) Order, 1963.

Inquiries about the above notice should be addressed to the Tariff Section, Export Services Branch, Board of Trade, Hillgate House, 35 Old Bailey, London, E.C.1. (Tel. City 5757 Ext. 471).

MEXICO

Import Licensing

BY DECREES published in the Mexican *Diario Oficial* on, and effective from, the dates stated goods under the following Tariff headings were made subject to prior import licence:

Tariff No.	Description
Published on March 6, 1963.	
501.06.03	Raw glycerine.
735.00.07	Radiogramophones.
735.06.00	Electric hair waving, curling or drying apparatus.
741.04.00	Gaskets of leather.
741.04.01	Gaskets of rubber.
Published on March 8, 1963.	
632.00.00	Paper cut into sheets, of which the sides measure less than 45 cm., for documents.
633.01.01	Document paper, engraved, printed or lithographed with blank spaces for writing.
Published on March 11, 1963.	
715.08.11	Machines for the elaboration (sic) of ice, by any system.

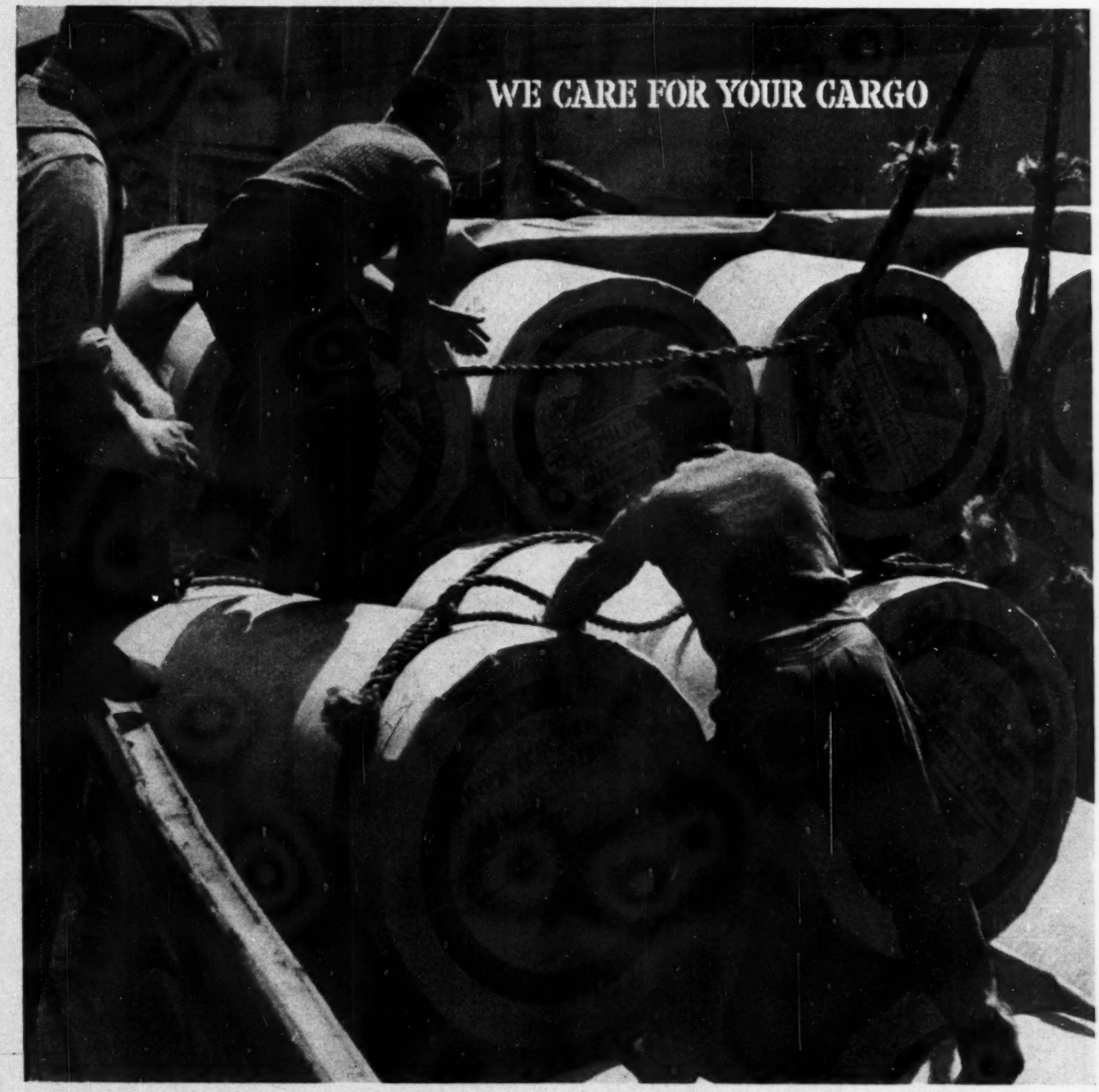
The restriction on goods under Tariff No. 735.00.07 includes the Free Zones and Perimeters of Mexico.

JAMAICA

Import Licensing Arrangements

THE LIST of exceptions to the Jamaica Open General Licence (see *Board of Trade Journal*, April 28, 1961, page 1044) is further amended by the deletion of Item 28, Jelly and Dessert Powder.

Inquiries about the above notice should be addressed to Tariff Section, Export Services Branch, Board of Trade, Hillgate House, 35 Old Bailey, London, E.C.4. (Tel. City 5757, Ext. 471.)



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COLOMBIA
Import Control

BY A DECREE No. 355 of February 27, 1963, effective from the same date, issued by the Colombian authorities the following items of the Customs Tariff have been transferred from the 'prior licence' to the 'free import' list:

Item No.	Description
38	Ambergris, castoreum, musk, civet, cantharides and other similar products.
84	Seeds and fruit for sowing:
	(a) Beet seeds.
	(b) Seeds of clover, lucerne and graminaceae and other forage seeds.
	(c) Seeds and fruit of forest, fruit and ornamental trees and shrubs.
	(d) Vegetable and other seeds.
	(1) Of cereals.
	(2) Of oleaginous plants and fruit.
	(3) Other.
207	Petroleum jelly.
289	Organo-therapeutic products, hormones and their synthetic substitutes: enzymes, enzyme salts and other enzymatic compounds, n.e.s.i., semen:
	(e) Semen.
294	Cinematograph films:
	(b) Exposed, but not developed.
	(c) Developed, silent:
	(1) Negative:
	(A) For scientific or educational popularization.
	(B) Other.
	(2) Positive:
	(A) For scientific or educational popularization.
	(B) Other.
	(d) Developed, sound:
	(1) Negative:
	(A) For scientific or educational popularization.
	(B) Other.
	(2) Positive:
	(A) For scientific or educational popularization.
373	Pipes and tubes of unhardened rubber:
	(a) Combined with textile materials or metals except radiator hose.
579	Other textile articles of a kind commonly used in machinery or plant:
	(a) Wicks for lamps and candles:
	(2) Wicks for refrigerators.
	(3) Other.
	(d) Other:
	(2) Tubular fireproofed fabric for the manufacture of incandescent gas mantles.
	(3) Disc – or cone-shaped dental gags of cotton or felt.
	(4) Cotton ribbons imported for subsequent inking and preparation for use with typewriters and the like.
697	Ferro-alloys, crude.
727	Tacks, nails, cramps and hooks, of iron, steel or malleable cast iron:
	(b) Nails for shoeing animals.
807	Scissors and blades of base metal whether or not finished.
823	Internal combustion engines and jet engines:
	(b) Other than engines for automobiles and for cycles for air and seacraft, and parts and components thereof, worked or unworked:
	(3) Parts and components, worked or unworked, of spark-ignition and compression-ignition engines:
	(A) Cylinder blocks, cylinders and pistons, worked or unworked, of spark-ignition and compression-ignition engines.
	(B) Other parts and components (except oil seals, oil filters, gaskets and radiators).
863	Electrical starting, lighting and signalling equipment for motor vehicles, motor cycles and cycles:
	(C) Other than generators or dynamos, fittings for head lamps, braking lights; interior lighting lamps and dome lamps and the like.
865	Electro-thermic appliances:
	(b) Electro-thermic appliances other than electric industrial furnaces and ovens, weighing up to 1,000 kilograms, n.e.s.i.:
	(3) Appliances for definite medical and industrial purposes.
869	Electrical, telegraphic and telephonic apparatus:
	(c) Loudspeakers, microphones and the like:
	(3) Electrical hearing aid apparatus and parts and components thereof, n.e.s.i.
889	Tractors with spark-ignition engines, compression-ignition engines or gas engines:
	(b) Parts and components (including bulldozer blades), except radiators, oil seals, contact breaker sets, gaskets, filters and tracks.
916	Precision balances, including precision weights.
917	Thermometers, barometers, hygrometers, aerometers and the like:
	(b) Barometers and hygrometers.
	(c) Aerometers and the like.

Exporters

THE services of the Export Sections of the Board of Trade Regional Organizations are freely available to you. Each of these Export Sections is closely linked with the Board of Trade Headquarters and thus with the Overseas Offices of H.M. Government. The Controller and his staff will give you all possible help in your efforts to sell your goods overseas.

URUGUAY
Import of Motor Vehicle Components

THE BOARD OF TRADE Journal of March 29, 1963, page 728 reported the recent Uruguayan decree which, *inter alia*, suspended the import of many items, and extended the application of the 300 per cent. surcharge to and increased valuations on, further motor vehicle components. The revised valuations and surcharges for motor vehicle components established by the decree are as follows:

Additional items subject to 300 per cent. surcharge and 100 per cent. prior deposit

	Average c.i.f. price U.S. $ per kilo
Internal combustion engines, wholly or partially assembled for motor vehicles	1·70
Engine block	1·70
Clutch-gearbox-differential group, complete or parts thereof, the said group	1·70
The following components: steering box or equivalent mechanism and assembled parts thereof (except hydraulic), steering column, rear axle casing, chassis frame or parts thereof	1·50
Revised average c.i.f. prices:	
Complete or partial coachwork	2·0
Complete or partial coachwork containing components (bonnet, mudguards, side-panels, boot-lids, floors, and hood frames for convertible vehicles) made of non-ferrous materials	2·70
Parts of coachwork: bonnet, mudguards, side-panels, doors, roofs, hoods, boot-lids, floors, and hood frames for convertible cars, dashboards, wholly or partly assembled, upholstered seats	2·0
Parts of coachwork: hoods, mudguards, side-panels, doors, roofs, hoods, boot-lids, floors, and hood frames for convertible cars, wholly or partially assembled dashboards, made of non-ferrous materials	2·70
Engine-clutch-gearbox and differential group provided that the group is a unit including the engine	1·70

The following items continue to receive exemption from surcharges if they are imported as spare parts:

Wholly or partially assembled internal combustion engines for motor vehicles.

Cylinder blocks.

Engine unit: where the clutch, gear-box and differential are integral with the engine.

To obtain exemption the Bank of the Republic must be presented with a certificate from the Ministry of Industry and Labour, which will be issued on receipt of a favourable report from the Commission established for that purpose.

Calculation of Surcharges

THE DECREE also modifies the procedure for the calculation of surcharges in certain cases, as follows:

Where an average c.i.f. price on the basis of kilogramme weights has been established, the clearance of which is dealt with on a basis of weight, the surcharge shall be calculated on the weight in kilos declared in the customs clearance permit, a deduction of 15 per cent. of the gross declared weight being allowed. The Bank of the Republic shall be empowered to lay down more representative percentages at the request, duly justified, of those concerned in cases where this should be judged necessary, drawing up appropriate regulations to this effect in the case of goods for which the above-mentioned 15 per cent. should be found insufficient. In the case of goods whose average c.i.f. price is fixed in accordance with their weight by cubic metre or in other cases where the Bank of the Republic find it convenient the surcharge shall be determined by means of direct checking of the physical volume of the goods being cleared or of samples when these are positively identifiable.

Where the payment of the amount of the surcharge is based on physical volume declared in the Customs permit, after deduction of the appropriate amounts for goods cleared on the basis of gross weight, this shall be considered as final. Nevertheless where the true physical volume at the time of clearance is more than 5 per cent. higher than that declared in the customs permit the Directorate General of the Customs will arrange for collection of surcharge on the total difference established.

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FRANCE

Modifications to French Customs Tariff

THE FRENCH *Journal Officiel* of March 24, 1963, announced the following temporary reductions and suspensions of the Customs duty on imports of vegetables, vegetable oils and molasses:

Tariff No.	Description	Reduced Rate of Duty
		Per cent.
07-01	Vegetables, fresh or chilled:	
	A. Potatoes:	
	III. Other:	
	(b) Not specified	5 (up to and including April 30, 1963); 18 (from April 30, 1963)
07-05	Dried leguminous vegetables, shelled, whether or not skinned or split:	
	A. Peas, including chick peas, and beans	2 (up to and including April 30, 1963)
	B. Other	
15-07	Fixed vegetable oils, fluid or solid, refined or purified:	
	B. Other oils:	
	II. Other:	
	(a) Olive oil:	
	1. In immediate containers of a net capacity of 20 kg. or less	13·2 for virgin olive oil (up to and including April 30, 1963)
	2. Other imported:	
	aa. Virgin	2 (up to and including April 30, 1963)
17-03	Molasses, whether or not decolourized:	
	B. Other:	
	IV. Not specified:	
	(b) Other	Suspended (up to and including June 30, 1963)

The French text of the notice may be seen at the Export Services Branch, Board of Trade, Room E.38, Hillgate House, 35 Old Bailey, London, E.C.4.

THE FRENCH *Journal Officiel* of March 21, 1963, published a decree modifying the French Customs Tariff. The following items have been amended to read:

Tariff No.	Description	Rate of Duty
		Per cent.
23-01	Flours and meals, of meat, offals, fish, crustaceans or molluscs, unfit for human consumption; greaves:	
	A. Of meat and offals; greaves:	
	II. Other	3
	B. Of fish, crustaceans or molluscs	6
38-11	Disinfectants, insecticides, fungicides, weed-killers, anti-sprouting products, rat poisons and similar products, put up in forms or packings for sale by retail or as preparations or as articles (for example, sulphur-treated bands, wicks and candles, fly-papers):	
	C. Other:	
	II. Other:	
	(c) Other	16 (For weed-killers and insecticides for agricultural use.)
84-18	Centrifuges; filtering and purifying machinery and other apparatus (other than filter funnels, milk strainers and the like), for liquids or gases:	
	D. Other machinery and apparatus:	
	I. Centrifuges:	
	(a) Cream separators and milk clarifiers	5
84-25	Harvesting and threshing machinery; straw and fodder presses; hay or grass mowers; winnowing and similar cleaning machines for seed, grain or leguminous vegetables and egg-grading and other grading machines for agricultural produce (other than those of a kind used in the bread grain milling industry falling within heading No. 84-24):	
	C. Other:	
	II. Harvest-binders	10

The French text of this notice may be seen at the Export Services Branch, Board of Trade, Room E.38, Hillgate House, 35 Old Bailey, E.C.4.

Global Quotas

Oranges

THE FRENCH *Journal Officiel* of March 21, 1963, announced the opening of a further quota for the import of oranges (see *Board of Trade Journal* of February 22, 1963) under Tariff heading 08-02 AI a, II, originating in and imported from member countries of the Organization for Economic Co-operation and Development, with the exception of Spain and the countries of the European Economic Community.

Applications for licences, on form AC, will be received at the Ministère des Finances et des Affaires Economiques, Direction des Relations Economiques Exterieures, Service des Autorisations Commerciales (Importations), 8 rue de la Tour-des-Dames, Paris 9e, from March 21 onwards, and will be examined as and when they are received. Each importer may import up to 200 metric tons of oranges. Licences will be valid only up to June 14, 1963; this limited period of validity will be indicated on the licence.

The full French text of this notice may be seen at the Export Services Branch, Board of Trade, Room E.38, Hillgate House, 35 Old Bailey, London, E.C.4.

Hot-house and Glass-house Plants

THE FRENCH *Journal Officiel* of March 21, 1963, announced the opening of the 1963-1964 quota at a reduced rate of duty for the import of 11,000 metric quintals of hot-house or glass-house plants, neither in flower nor in bud (Tariff No. 06-02 C II b 1 x).

Applications for import licences, in accordance with the conditions set out in a notice dated April 12, 1962, published in the *Journal Officiel* of April 18, 1962, should reach the Ministère de l'agriculture (direction des produits, bureau du controle des importations), 3 rue Barbet-de-Jouy, Paris 7e, before May 15, 1963.

The full French text of the notice may be seen at the Export Services Branch, Board of Trade, Room E.38, Hillgate House, 35 Old Bailey, London, E.C.4.

Dormant Bulbs, Tubers, Tuberous Roots, Corms, Crowns and Rhizomes

THE FRENCH *Journal Officiel* of March 21, 1963, announced the opening of the 1963-1964 quota at a reduced rate of duty for the import of 35,000 metric quintals of dormant bulbs, tubers, tuberous roots, corms and rhizomes (Tariff No. 06-01 AI).

Applications for licences, in accordance with conditions set out in a notice of April 12, 1962, published in the *Journal Officiel* of April 18, 1962, should reach the Ministère de l'agriculture (direction des produits, bureau du controle des importations), 3 rue Barbet-de-Jouy, Paris 7e, before April 27, 1963.

The full French text of the notice may be seen at the Export Services Branch, Board of Trade, Room E.38, Hillgate House, 35 Old Bailey, London, E.C.4.

SPAIN

Opening of Global Quotas

THE LIST of Spanish global quotas for 1963 was published in the *Board of Trade Journal* of March 29, pages 732 and 735.

The Spanish authorities have invited applications from Spanish importers, merchants and industrialists against the following quota:

Quota No.	Goods	Minimum value of licences for which applications invited	Closing date for applications
19	Non-liberalized wood manufactures	U.S. dollar 50,000	April 15

Letters of Appreciation – Correction

The extract of the letter of appreciation sent to the British Embassy at Berne and quoted at the top of page v, column 2 of March 29 issue of the *Board of Trade Journal* was from Spillers Ltd., London, and not Mullard Overseas Ltd.

EUROPEAN COMMUNITIES

Tariff in the European Economic Community

THE *Journal Officiel des Communautes Europeennes* dated March 22, 1963, contains the texts of Decisions taken by the Council and the Commission of the European Economic Community. For the products concerned the Council Decisions temporarily suspend the Common Tariff and apply the duties as shown in the following table:

Tariff Heading	Description of Goods	Common Tariff
07.01 A III (b)	Vegetables, fresh or chilled: Potatoes: Other: Not specified	5% until April 30, 1963
07.05	Dried leguminous vegetables, shelled, whether or not skinned or split	2% until April 30, 1963
15.07 B II (a)	Fixed vegetable oils, fluid or solid, crude, refined or purified: Other oils: Other: Olive oil: virgin	2% until April 30, 1963

The Commission decision authorizes the Federal German Republic to defer, until April 30, 1963, reductions in her duties for the products covered by the above-mentioned headings 07.01 A.III.(b) and 07.05,

Further Translations of EEC Regulations

THE FOLLOWING further translation of an European Economic Community Regulation is now available from H.M. Stationery Office, Kingsway, London, W.C.2, and branches.

Regulation No. 162 adjusting and laying down sluice-gate prices for live pigs and slaughtered pigmeat. Price 8d.

BELGO-LUXEMBOURG ECONOMIC UNION

Import Duty Tariff Quotas

A BELGIAN Ministerial Order of March, 11 1963 (*Moniteur Belge* No. 52 of March 13, 1963), contains an addition (reproduced below) to the list of goods to be admitted free of import duty up to an annual quota specified against each item when imported from *non-EEC* countries. Goods imported under the terms of this Order may *not* be re-exported from the Belgo-Luxembourg Economic Union in the condition in which they were imported, except where the goods are the subject of an unlimited quantity quota.

The Order came into Force on March 4, 1963

Addition

Tariff No.	Description of Goods	Annual Quota (Quantity: Metric tons) Old (Prior to January 1, 1963)	Annual Quota (Quantity: Metric tons) New (From January 1, 1963)
17.03 B IV	Molasses, not decolorized, other than intended for the manufacture of cattle fodder or for the manufacture of citric acid and other than cane molasses the dry extract of which contains less than 63% of saccharose, intended for the manufacture of coffee substitutes	—	Unlimited*

*Quota for the first half of 1963.

Note: The Import Duty Tariff Quota in respect of the above-mentioned item is applicable to imports from EEC countries as well as to imports from Non-EEC countries.

A previous notice on the Belgo-Luxembourg Import Duty Tariff Quotas was published in the *Board of Trade Journal* of March 29, 1963, page 736.

BELGIUM

Transmission Tax Surcharge on Imported Goods

A BELGIAN Royal Decree dated March 11, 1963 (*Moniteur Belge* No. 56 of March 19, 1963), makes the following changes in Transmission Tax Surcharge payable on certain imported goods.*

The Decree came into force on March 20, 1963.

Benelux Tariff No.	Description	Basic Transmission tax	Transmission tax surcharge on imported goods	Effect of Decree of March 11, 1963
		Per cent.	Per cent.	Per cent.
29.04 C I a	Glycols	6	5	Plus 3
ex 29.06 A I	Phenol	6	6·50	Plus 2·50
ex 29.09	Ethylene oxide	6	4	Plus 4
39.04	Hardened proteins (for example, hardened casein and hardened gelatin)	12 (taxe forfaitaire) or 6	Nil	Minus 4
39.07 C I	Thin discs of hardened albuminoidal substances, simply sawn or cut, for the manufacture of buttons	6	Nil	Minus 4
39.07 E IV	Thin discs, of materials other than regenerated cellulose, vulcanized fibre, hardened albuminoidal substances, or chemical derivatives of rubber	6	Nil	Minus 4
ex 70.09	Glass mirrors, unframed	6	6·50	Plus 6·50
ex 70.09	Glass mirrors, framed	6	5·50	Plus 5·50
73.24	Compressed gas cylinders and similar pressure containers, of iron or steel:			
A	Weldless	6	7	Plus 7
B	Other	6	6	Plus 6

Note:

The Transmission Tax Surcharge is additional to the basic Transmission Tax.

This surcharge is levied on certain specified imported goods in order to remove or reduce any difference in burden that may arise between taxation on imported goods and taxation on goods manufactured in Belgium.

* A previous notice was published in the *Board of Trade Journal* of March 29, 1963, page 735.

IRISH REPUBLIC

Duty-free Importation of Cotton Piece-goods Subject to Quota Restriction

THE REVENUE COMMISSIONERS of the Irish Republic have announced that the general licence referred to on page xxvi of the 1963 Customs and Excise Tariff has been restored in respect of the undermentioned items, so long as the relevant control of Imports Order is in operation. (See *Board of Trade Journal* of November 30, 1962, page 1139, and January 18, 1963, pages 172-173.)

Short Description of Goods	Tariff Heading No.	Relevant Control of Imports Order
Woven textile fabrics containing more than 60% by weight of cotton	50.09 (C) (2) (b) (i) 50.10 (C) (2) (b) (i) 55.07 (C) (i) 55.08 (B) (i) 55.09 (D) (2) (a) 58.04 (B) (i) (a) (ii) 58.05 (F) (3) (a) 59.07 (C) (2) (b) (i) 59.07 (C) (2) (b) (i) 59.09 (B) (2) (b) (i) 59.11 (C) (2) (b) (i) 59.12 (E) (2) (b) (i) 59.16	Control of Imports (Quota No. 45) Order, 1949.

The general licence takes effect forthwith. Any further information may be obtained from any Customs House in the Republic or from the office of the Revenue Commissioners, Dublin Castle, Dublin, Irish Republic.

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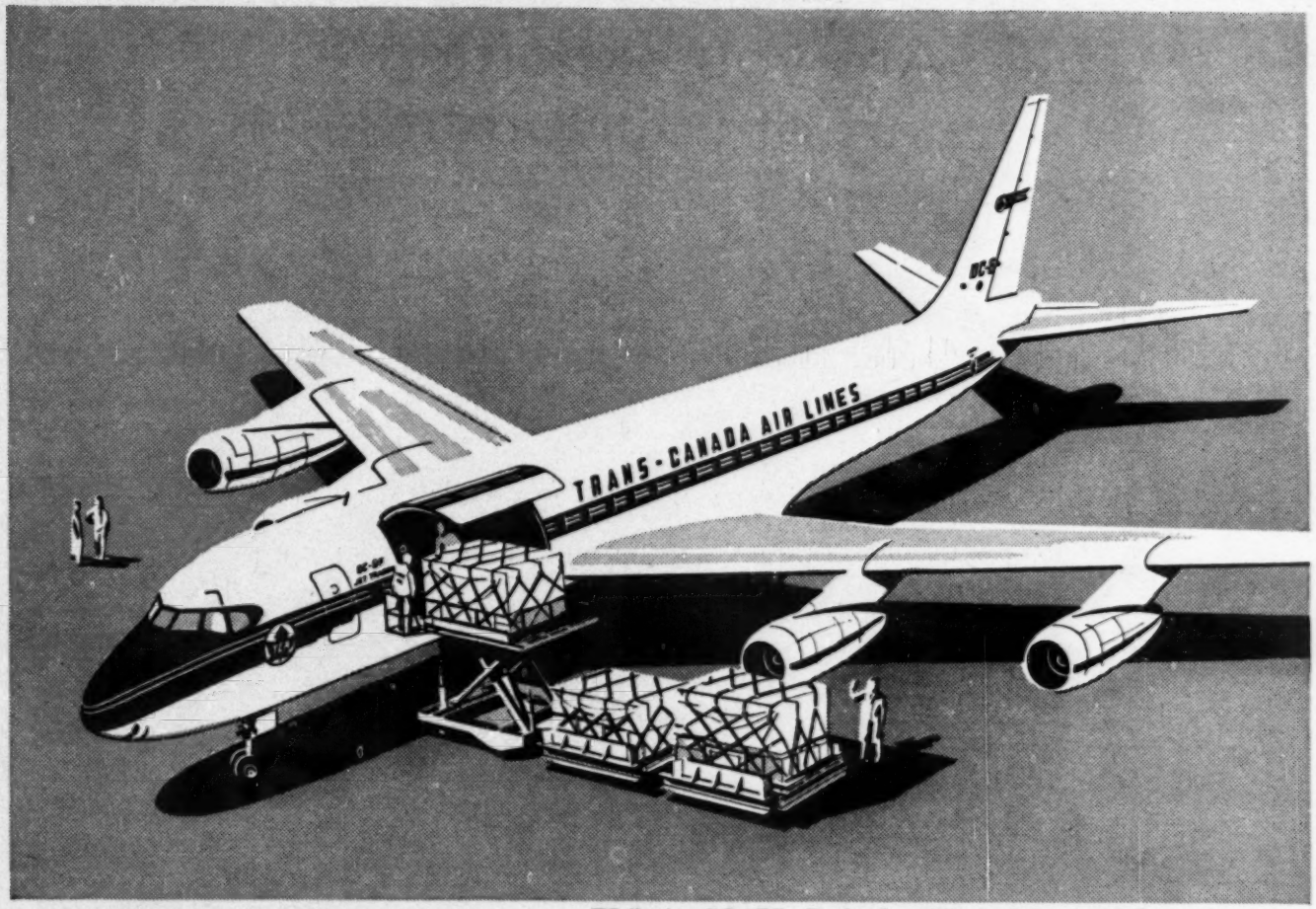

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FINLAND

Postal Strike Ended

THE STRIKE by Finnish postal and customs officials (notices about which appeared in the *Board of Trade Journal* of March 15 and 22, 1963) came to an end late on Thursday, March 28, 1963.

Helsinki Harbour authorities expect conditions in the port to be completely normal within one week. Postal services have also been restored, although there are large accumulations of mail in the post offices which may give rise to some delays. Exporters are advised that shipments to Finland may now be resumed.

Inquiries relating to this notice should be addressed to Commercial Relations and Exports Department, Board of Trade, Horse Guards Avenue, Whitehall, London, S.W.1. (Tel. Trafalgar 8855, Ext. 2368).

PORTUGUESE EAST AFRICA (MOZAMBIQUE)

Impending Liquidation of Some Indian Firms

H.M. CONSULATE-GENERAL in Lourenço Marques has reported the impending liquidation of the following Indian firms. Claims against their assets must be submitted by April 22.

District of Lourenço Marques

Velji Lilladhar, Vallabhadas Kimji, Limitada, Vaga Vassan, R. Kangi & Ca., Limitada, Parshotam Dahyabai, Lala Chana, Narand Bava, Chunilal Naran, Rama Jina, Nathalal Hirgi, Jetha Mavji, Chandulal Magan.

District of Manica and Sofala

Kantelal Valbdas, Kanji Hansraj.

District of Tete

Halima Sulemamad, Abdul Gafar Ibraimo, Jussub Issa.

District of Niassa

Ayob Hagy, Sharif Ismail Parkar & Ca.

District of Antonio Enes

Valgi Machawgy, Jeramo Velgi, Abbobakar Alimamade, Purshotam Ravjee & Filhos, Successores, Lda, Madhavji Chaturbuj, Tulcidas Bhimji, Ratilal Walgi (associate of the firm Ratilal Walgi & Filho).

District of Nampula

Gokaldas Karsandas.

Inquiries about this notice should be addressed to the Commercial Relations and Exports Department, Board of Trade, Horse Guards Avenue, Whitehall, London, S.W.1. (Tel. Trafalgar 8855, Ext. 3082).

JORDAN

Customs Tariff Amendment

THE JORDAN Customs Tariff has been amended as follows.

Tariff No.	Description	Unit	Rate of Duty	
			New Per cent.	Old Per cent.
34/1 (b)	Toilet soap and shaving soap:			
	(b) 1 Toilet soap		45%	35%
	(b) 2 Shaving soap		35%	35%
34/2	Organic surface – active agents, etc		45%	35%
98/1	Buttons and button moulds, studs, etc.:			
	(a) Certified as plastic buttons prepared for the manufacture of buttons		Exempt	11%
	(b) Others		11%	11%

All enquiries about this notice should be addressed to Export Services Branch, Board of Trade, Hillgate House, 35 Old Bailey, E.C.4. (Tel. City 5757 Ext. 469.)

SYRIA

Imports of Cars Only Through Lattakia

THE SYRIAN Ministry of Economy issued in January a notice drawing attention to the order published in 1959 under which petrol-driven cars sent by sea may only be imported into Syria through the port of Lattakia.

TUNISIA

Global Import Quotas for 1963

THE TUNISIAN *Journal Officiel* of March 8 announced the opening of the following quotas for the import of goods from all countries in 1963:

Description	Quota (in dinars)
Preserved milk	900,000
Butter	900 metric tons
Cheese	1,000 metric tons
Raisins	15,000
Dried fruits	120,000
Apples and pears	100,000
Bananas	3,000 metric tons
Common dates	10,000
Unroasted coffee	2,500 metric tons
Tea	2,000,000
Pepper	120,000
Groundnuts	120,000
Sugar	2,000,000
Henna	21,000
Gum (gum arabic, other gums, balsams)	20,000
Woollen fabrics (other than blankets)	800,000
Cotton fabrics	2,700,000
Men's and children's socks and stockings	400,000 pairs
Jute and cotton sacks	400,000
Secondhand clothing	400,000
Footwear:	
Women's, leather	5,000 pairs
Men's, leather	3,000 pairs
Children's, leather	1,000 pairs
Rubber slip-on shoes	5,000 pairs
Rubber working boots for men	20,000 pairs
Sports footwear:	
Leather	4,000 pairs
Dancing slippers	3,000 pairs
With vulcanized rubber soles	6,000 pairs

The French text of this notice may be seen at the Export Services Branch, Board of Trade, Room E.38, Hillgate House, 35 Old Bailey, London, E.C.4.

REPUBLIC OF SOUTH AFRICA

Customs Tariff Changes

GOVERNMENT Notice No. 151, published in the Republic of South Africa *Government Gazette* of March 8, 1963, reproduces Amendment List No. 43 to the Customs Tariff Guide. Consequential Customs Tariff changes are as follows:

Bits, harness or bridle have been transferred from Tariff Item 252 (a) to Item 113 (1). The duty is now 20 per cent. *ad valorem* from all sources instead of 25 per cent. as previously.

Chamois Polishers containing rubber have been transferred from Tariff Item 259 to Item 335. The duty remains at 20 per cent. *ad valorem* from all sources.

Gravel has been transferred from Tariff Item 335 to Tariff Item 169 (4). The duty becomes 10 per cent. *ad valorem* from all sources instead of 20 per cent. *ad valorem* as previously.

Grinding Machines and Grinders for food, electric, domestic, have been transferred from Tariff Item 335 to Item 119 (d). The duty remains at 20 per cent. *ad valorem* from all sources.

Hammocks have been transferred from Tariff Item 335 to Tariff Item 73 (3). The duty remains unchanged at 20 per cent. *ad valorem* from all sources.

Ice Crushing Machines, domestic type, electrical, have been transferred from Tariff Item 335 to Tariff Item 119 (d). The duty remains unchanged at 20 per cent. *ad valorem* from all sources.

Ice Skates with shoes have been transferred from Tariff Item 251 (b) to Tariff Item 307 (2) (c). The duty is now 15 per cent. *ad valorem* from all sources.

Amendment under Merchandise Marks Act

GOVERNMENT NOTICE No. 409, published in the South African *Government Gazette* of March 22, 1963, prohibits, in terms of sub-section (1) of section 15 of the Merchandise Marks Act, 1941 (Act No. 17 of 1941):

(a) the use of the words 'knitting wool' in any trade description which is applied to knitting yarn, unless such knitting yarn is regarded as a wool product for the purposes of the Wool Labelling Regulations published under Government Notice

ISRAEL

Liberalization of Imports

LISTS of items which may be imported into Israel without an import licence were published in the *Board of Trade Journal* on June 15, 1962 and January 18, 1963. The following schedule of amendments to these lists has now been issued:

Customs Tariff Item	
28.28	In the descriptions delete: 'Cadmium oxide and hydroxide.'
29.42	In the descriptions delete: 'Sparteine Atropine Colchicine.'
37.07	In the description insert: 'including advertising films' between 'film' and 'exposed' in the first line.
38.19	Delete: '38.19 (a) (2) (i) Alkylbenzenes alkylnaphthalenes.' Insert: '38.19 (a) (2) Alkylbenzenes and alkylnaphthalenes not separated.'
40.11	In the descriptions the size '825 by 15,' which appears in the penultimate line, should be deleted.
48.10	A new item should be included: 'Cigarette paper, cut to sizes, whether or not in form of booklets or tubes.'
70.20 (c)	The description should be amended to read: 'Tape for sleeves made of glass cloth of a kind used in electric insulation.'
73.12 (d)	The description should be amended to read: 'Strips of iron or steel of the types: hot-rolled, coated or uncoated; cold-rolled, coated.'
84.06	Add to description: 'Capstan and turret lathes.'
84.10	Delete existing entry and substitute: 'Oil pumps and parts for motor vehicle engines excluding oil filter housing; fuel pumps and parts for diesel engines.'
85.01	Delete present wording and substitute: 'Electric motors from 150 h.p. upwards.'
85.09	Add new item (which was previously No. 85.17 (i)): 'Sirens of a kind used for motor vehicles.'
85.17 (i)	This item has become No. 85.09.
765	Delete 'Phosphamidon' and substitute 'Dimecron (Phosphamidon)'.
Part C, No. 5	Under the special terms column, the word 'quantities' should be deleted and replaced by 'packs.'
Part C, No. 8	Under commodity column, add: '48.10.'
Part C, No. 10	Under commodity column, delete '85.17 (i)' and '84.62', add: '85.09.'

The following list of items for which import licences are now being issued by the Israeli authorities supersedes the list published in the *Board of Trade Journal* on February 22, 1963. It contains many additional items and in most instances gives a fuller description:

Customs Tariff Item	Short Description
11.08 (i)	Starch, excluding potato starch.
13.02 (a) (3)	Shellac or seed lac.
15.07 (i) (2)	Linseed oil.
17.02 (b) (2) (a)	Glucose.
21.05	Soups and Bouillons.
30.04	Medical cotton wool.
30.04 (a)	Gauze bandages.
32.13 (a)	Printing ink.
32.13 (i)	Other inks.
35.05 (b)	Soluble starches.
38.12 (c)	Ready dressings.
39.01 (a) (8)	Phenol-formaldehyde.
39.02 (a) (3) A	Polyvinyl acetate, including the copolymers.
39.02 (i) (9)	Polyethylene (for packing).
39.07 (i) (9)	Plastic materials.
39.08 (i) (9)	Shutters made of P.V.C. including slides for shutters.
40.11 (a)	Bicycle tyres. [The Israel Standards Institute must approve the import of this item].
41.02	Upper leather, worked.
41.04 (a)	Leather of the glazed kid (chevreaux) or 'velour' kind.
42.03 (a) (9)	Gloves for industry.
42.04 (a) (1)	Belts, rectangular in cross section.
44.05 (g)	Veneers of wood sawn lengthwise, sliced or peeled, but not further prepared, of a thickness exceeding 5 mm.
44.14 (i)	Veneer sheets and sheets for plywood, of a thickness not exceeding 5 mm.
44.15 (a)	Veneers of plywood and similar laminated wood products.
44.16	Cellular panels of wood whether or not faced with plywood or bark.
44.27	Certain household wooden products.
48.01 (i) (3)	Duplex cardboard.
48.05 (b) 48.16 (b)	Corrugated cartons and corrugated packing containers: 1. Hand-made cardboard. 2. Mechanical cardboard including white, brown and grey, excluding the following kinds: Bristol cardboard, Manilla cardboard, Kraft-liner cardboard.
48.20 (a)	Spools (cones of paperboard).
57.10	Woven fabrics of jute.
62.03 (a) (1)	Jute bags.
64.05 (a)	Rubber soles. [The importer has to undertake that where the country of origin has to be specified on the soles it should be printed as follows: 'Sole made in . . . .' (for example: 'Sole made in Italy' and not 'Made in Italy.')

South Africa (*Continued*)

No. 1701 of October 23, 1959. (These regulations were published in the *Board of Trade Journal* of November 13, 1959, page 776).

(b) synthetic fibre knitting yarn being offered or advertised as knitting wool, or being included in the same advertisement under the heading 'knitting wool'.

Customs Tariff Item	Short Description
	The competent authority shall specify in the licence the following condition: 'In case of specification of the country of origin on the soles it should be printed on the sole 'Sole made in . . . .']
68.04 (d) (1)	Impregnated diamond grinding wheels.
68.04 (d) (2)	Diamond lens polishing tools.
68.04 (d) (3)	Diamond mounted points.
68.05 (b)	Diamond hones.
69.07 (a) (1) 69.07 (a) (9) 69.08 (a) (1) 69.08 (a) (9)	Ceramic tiles, white and coloured.
73.10 (a) (2) A	Low carbon steel bars (of a carbon content up to 0·30%) precision-made, cold finished with a cross section in the shape of a perfect hexagon, where the diameter of the circle is from 4 to 101·6 mm. (4 in.) or the distance of the across flats of the hexagon is between 6·35 to 50·80 mm. (from ¼ in. to 2 in.).
73.10 (b) (1)	Bars and rods of carbon steel, containing over 0·30% carbon, precision made, cold finished, the carbon content of which does not exceed 0·45% with a cross section in the shape of a perfect circle or a perfect hexagon, where the diameter of the circle is from 4 to 101·6 mm. (4 in.) or the distance of the across flats of the hexagon is between 6·35 to 50·80 mm. (from ¼ in. to 2 in.).
73.14 (c) (1)	Other wire of carbon content exceeding 0·30%, precision made, cold finished cut into straight lengths, the carbon contents of which do not exceed 0·45% with a cross section in the shape of a perfect circle or a perfect hexagon, if the diameter of the circle is not less than 4 mm., or the distance between the across flats of the hexagon is not less than 6·36 mm. (¼ in.).
73.14 (i) (9)	Other wire of low carbon steel containing not more than 0·30% carbon: B. Precision made, cold finished and cut into straight lengths of a diameter not exceeding 9·5 mm. C. Precision made, cold finished and cut into straight lengths of a cross section in the shape of a perfect circle, or a perfect hexagon, if the diameter of the circle is less than 9·5 mm., or the distance between the across flats of the hexagon is not less than 6·35 mm.
73.15 (b) (9) D	Precision made bars, cold finished, containing from 0·20% to 0·60% sulphur of a cross section in the shape of a perfect circle or a perfect hexagon, if the diameter of the circle is between 4 to 101·6 mm., (4 in.) or the distance between the across flats of the hexagon is from 6·35 to 50·80 mm. (¼ in. to 2 in.).
73.15 (e) (9) C	Wire, whether or not coated, but not insulated, precision made, cold finished and cut into straight lengths, containing from 0·20% to 0·60% sulphur, of a cross section in the shape of a perfect circle or a perfect hexagon, if the diameter of the circle is not less than 4 mm., or the distance between the across flats of the hexagon is not less than 6·35 mm.
73.31 (i)	Nails for building and carpentry.
73.32 (b)	Joiner working bench screws.
73.34	Ordinary pins, for office use, confection and haberdashery.
73.36 (i)*	Gas stoves and ranges.
73.38 (i)	Enamelled household ware.
76.10 (c)	Aluminium tubular containers.
76.15	Articles used for domestic purposes, of aluminium.
82.02 (a)	Arcs for saws for metal or wood.
82.03 (a) (1)	Crescent type adjustable spanners and wrenches with a length from 5-13 inches.
82.03 (a) (2)	Open end wrenches from 8 to 25 mm. Ring and open end wrenches from 8 to 25 mm.
82.03 (a) (3) A	Socket wrenches with a drive from ¼ to ½ inch. Accessories for socket wrenches: 1. Ratched handle with a drive not exceeding ½ in. 2. Extensions, with a drive not exceeding ½ in. 3. Joint nuts spinners, with a drive not exceeding ½ in.
82.03 (a) (9)	Perforating punches.
	Grip wrenches.
82.03 (c) (1)	Slip joint pliers of a length from 7 to 9 inches.
82.03 (c) (2)	Slip joint pliers and pincers for pipes of a length from 7½ to 10½ inches.
82.03 (c) (3)	Carpenter or shouldered pincers of a length from 5 to 9 inches.
82.03 (c) (4)	Locksmith's tongs.
82.03 (c) (5)	Combination pliers.
82.03 (i)	Pipe cutters and wheels.
82.04 (a)	Vices, clamps and cramps punches, solid nail sets.
82.04 (e)	Stock and die handles.
82.04 (i) (1)	Tyre levers and crowbars.
82.04 (i) (2) B	Wall chisels.
82.04 (i) (2) C	Door hinge chisels.
82.04 (i) (d)	Screwdrivers, single or in sets, excluding automatic ones including those used for electrical testing.
82.04 (i) (4)	Steel or iron hammers, weighing without the handles from 150 to 2,000 gr. including machinist hammers and claw hammers.
82.04 (i) (5)	Painter's scraper's and putty knives and riveting sets, single or in sets and trowels.
82.04 (i) (6) I	Box openers.
82.04 (i) (7)	Wheel pullers.
82.04 (i) (9)	Letters and numbers of steel for marking, bearing separators, copper hammers, soldering iron non-electric, flag and tile cutting apparatus, cutting apparatus, stone bits (non-carbide metals), sleeve extractors, awls.
82.05 (g) (1)	Wire drawing diamond dies.
83.05	Letter clips for office use.
83.07 (a) (2)*	Street lamps (bodies, for public lighting).
84.11 (d) (1)* 84.11 (d) (2)*	Sealed compressors for air-conditioning and refrigeration.
84.12 (a) (9)*	Domestic air conditioners.
84.15 (a) (9)*	Domestic absorption refrigerators.
84.15 (d) (1)*	Domestic air conditioners.
84.40 (a)	Washing machines.
84.41 (a) (1)	Domestic sewing machines.
84.48 (g)	Machine vices, with a width of the blades from 2½ to 8 inches.
84.61 (g)*	Gas accessories – regulators.
85.04 (b) (1)*	Accumulators for vehicles.
85.06 (c) (i) I*	Electric mixers.
85.06 (d)*	Fans.
85.11 (c) (1) A	Electrode holders.
85.12 (i)*	Electric stoves and ranges; electric apparatus for preparing of food; stoves for heating and drying; kettle, bells, pans, spoons, pillows, blankets.
85.19 (e) (9)*	Devices and accessories for making connections to or in electric circuits (e.g., plugs, sockets, lampholders, junction boxes, etc.).

(*Continued on next page*)

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Israel (*Continued*)

Customs Tariff Item	Short Description
	ELECTRIC CERAMIC
	1. *Fuse Base* (*Eng. Type*):
	Ordinary . . . 15 amp.
	" . . . 30 "
	" . . . 60 "
	" . . . 100 "
	Belsen . . . 15 "
	" . . . 30 "
	" . . . 60 "
	2. *Carriers for Fuse Bases* (*Eng. Type*):
	Ordinary . . . 15 amp.
	" . . . 30 "
	" . . . 60 "
	" . . . 100 "
	3. *Fuse Bases Continental Type* (no heads):
	Monion . . . 6 amp.
	" . . . 25 "
	" . . . 60 "
	" . . . 100 "
	" . . . 200 "
	Belsen . . . 25 "
	" . . . 60 "
	" . . . 100 "
	" . . . 200 "
	4. *Heads Continental Type:*
	6 amp.
	25 "
	60 "
	100 "
	200 "
	5. *Fuse Weber* – Open and Wild:
	25 amp.
	60 "
	100 "
	200 "
	6. *Porcelain Rings* (*bases for boards*): 25, 60, 100 and 200 amps.
	7. *Low Tension Insulators:* 60, 80 and 95 n. (without screwing cups, ordinary insulators egg shaped, insulators egg shaped – big; schakle type insulators; antenna insulators with glazing; antenna insulators without glazing; kabelende; stusen fuer tafel ¼ in., ½ in., 5/30 in. and 5/50 in.
	8. *Cylinders:* No. 25 with glazing; No. 30 with glazing; No. 30/30 without glazing; No. 45/45 without glazing; No. 45/45 with glazing.
	9. *Lusterklamme:* Single No. 1, 2, 3 and 4; double No. 1, 2, 3, 4; lusterklamme with three poles; lusterklamme plus-minus.
	10. *Stones:* 1¼ in., 1½ in. and 2 in.
	11. *Lamp houses:* Copper lamp houses with a porcelain ring; porcelain lamp house (ordinary); porcelain lamp house with a ¼ in. screw; porcelain lamp house with a ½ in. screw; Edison lamp house.
	Sicherungen: 6, 8, 10, 15, 20, 25, 35, 50, 60, 80-100, 125-240 and 660 amp.
	Pfeifen: Sizes 13/90, 16/90, 21/90, 23/90, 29/90, 36/40, 16/180, 21/180, 23/180, 29/180, 36/180.
	Stern: 2 in., 2½ in., 3 in.; Bello: 2½ in., 3 in.
90.04 (b)	Rifles.
90.16 (a) (2) A	Scribers and centre punches.
90.16 (a) (2) B	V-block.
0.16 (b) (2) G	Plumb bobs.
90.22 (c) (1)	Diamond intenders for hardness testers.
92.11 (a)	Electric gramophones without record changers.
93.05 (b)	Parts for underwater fishing equipment.
93.06 (b) (1)	Equipment for underwater fishing.
94.01 } 94.03 }	Wooden furniture and parts thereof.
97.06 (a)	Goggles for underwater fishing.

*An applicant for an import licence for goods so marked should add to his application an approval from the Israel Standard Institute or from the inspector of Standard that 'examination of type' was made and that the product corresponds to the Israel Standard, in accordance with the circular of the Deputy Director of the Foreign Trade Section to the Chamber of Commerce of December 3, 1962.

The competent authority shall stipulate on the body of the licence the following conditions: 'Prior to the release of the goods, the importer has to submit an approval of the Israel Standard Institute that the goods imported are in accordance with the Israel Standard.'

All inquiries about this notice should be addressed to Export Services Branch, Board of Trade, Hillgate House, 35 Old Bailey, London, E.C.4. (Tel. City 5757, Ext. 468/469).

LETTERS TO THE EDITOR

Editorial communications should be addressed to the Editor, *Board of Trade Journal*, Room 2410, Board of Trade, Horse Guards Avenue, London, S.W.1 (Tel. Trafalgar 8855, Ext. 2192). Telegrams and cables should be addressed 'Boneblack, London.'

B.O.T. Departments, Overseas Officers and Commercial Inquiry Officers

	Last published in Board of Trade Journal
British Commercial Representatives Overseas	29 Mar. 1963
Board of Trade Departments . . .	3 Aug. 1962
Board of Trade, Regional Organization .	29 Mar. 1963
E.C.G.D. Local Offices	1 Feb. 1963
British and Commonwealth Chambers of Commerce and other British Business Organizations Overseas	1 Feb. 1963
U.S. Consular Offices in the U.K. . .	21 July 1961

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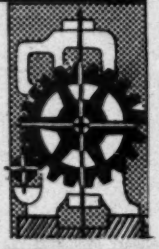

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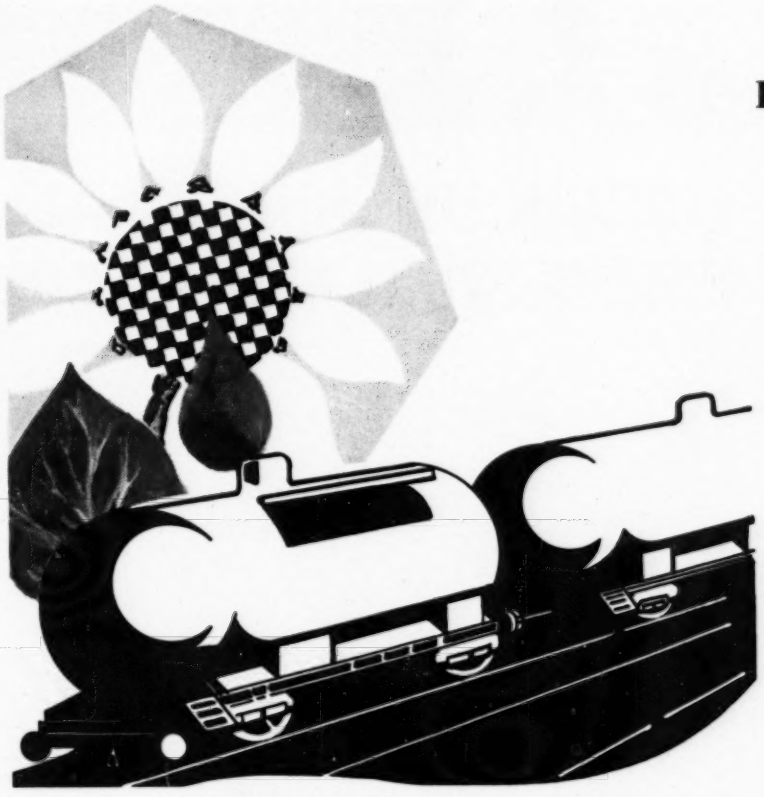

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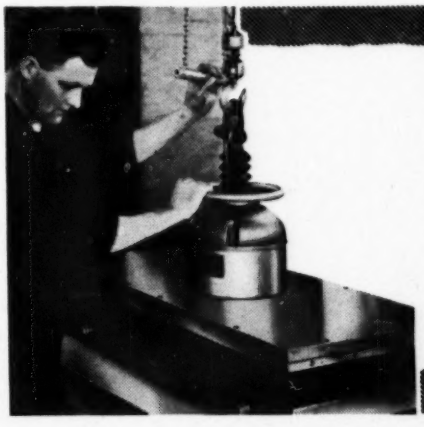

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LONDON INTERNATIONAL ENGINEERING EXHIBITION

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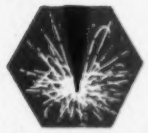

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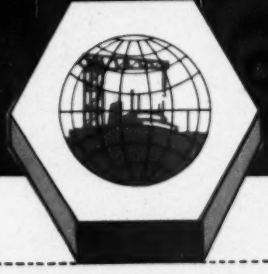

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